

Working paper on China North Industries Group Corporation (CNGC)



Editorial

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Layout: Anne Hullebroeck

Front Cover Image: VN1A 8X8 Wheeled Armoured Vehicle (credit: Robin Ballantyne)

Antwerp, October 2014

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This report was established with the support of the Belgian Development Cooperation (DGD).

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42. MEMBER UNIT: China Ordnance Society (中国兵工学会)	45
43. MEMBER UNIT: China Command & Control Society (中国指挥与控制学会)	46
44. MEMBER UNIT: Northern Realty Management Group Ltd. (北方置业管理集团有限公司)	46
45. MEMBER UNIT: Northern Development Investment Co. Ltd. (北方发展投资有限公司)	46
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Introduction

The International Peace Information Service (IPIS) and the Omega Research Foundation (Omega) have undertaken a comprehensive review of one of China's largest state-owned companies.

Norinco – known formally as China North Industries Group Corporation (CNGC) was established in 1999 and consists of at least 46 member units which then have several subordinate companies, joint ventures and associate companies. CNGC's main purpose is to research, develop and manufacture weapons and military equipment for the Chinese armed forces. To accomplish this primary task CNGC combines military research objectives with civil development and production enterprises and often the two are difficult to separate. CNGC is also involved in other industries such as mining and petroleum (often overseas) as well as the associated processing industries – which provide raw materials for CNGC and other Chinese companies as well as giving China and CNGC access to international markets.

Over the decades CNGC and many of its subsidiaries have established joint ventures or licensed manufacturing agreements with various Western companies to manufacture civilian products which have then been incorporated in the military and/or law enforcement products of CNGC. This is of particular concern to the USA and the EU, both who both brought in arms embargoes against China following the 1999 Tiananmen Square massacre. In 1989 the USA suspended "all licenses and approvals to export defense articles and defense services from the United States to the People's Republic of China"¹ and the EU stated that there should be an "interruption ... of military cooperation and an arms embargo on trade in arms with China".

This working paper uses publicly available sources and attempts to unpick the structure of CNGC, listing its Member Units and the associated subsidiaries, joint ventures and associate companies. We believe that this information shows the complex interaction between the civilian and military sections with supposedly civilian enterprises manufacturing equipment or components for the military, or providing them with raw materials. We hope this will make policy makers and export control departments more aware of the issue of exporting equipment and technology to China.

Our research has uncovered several subsidiaries that we previously thought had no link to CNGC. However, the list is still incomplete and we would welcome any additions or clarifications you may have.

¹ Council of Ministers Declaration on China, European Council; Madrid, 26-27 June 1989. Note: This is arms embargo is interpreted by EU Member States and does not prohibit the export of all equipment with a military application – see SIPRI 'EU arms embargo on China', http://www.sipri.org/databases/embargoes/eu_arms_embargoes/china

CHINA NORTH INDUSTRIES GROUP CORPORATION (CNGC) 中国兵器工业集团公司

1. Purpose of CNGC

CHINA NORTH INDUSTRIES GROUP CORPORATION also known as the Norinco Group is a state owned enterprise and forms the main body within China for research and development of weapons and equipment for the Chinese armed forces as well as the production thereof. To accomplish this CNGC combines military with civil R&D and production. The structure of CNGC is highly complex and includes at least 46 large member units, and each of these has many different subordinate units. Included are research institutes, production facilities, trading companies, mining companies... CNGC is also involved in other sectors including the extraction industries, manufacturing and petroleum. (<http://en.norincogroup.com.cn/html/aboutus/briefofng/>)

Over the decades CNGC and many of its subsidiaries have established joint ventures or licensed manufacturing agreements with various Western companies to manufacture civilian products which are incorporated in the military and/or law enforcement products of CNGC. In its turn CNGC and its subsidiaries have offered many foreign clients technology transfer arrangements.

Since 27 June 1989 the European Union has an arms embargo in force against China (Declaration of European Council, Madrid, 27.6.1989):

“In the present circumstances, the European Council thinks it necessary to adopt the following measures: - interruption by the Member States of the Community of military cooperation and an embargo on trade in arms with China;”

This has not stopped the transfer of military technology nor the creation of joint ventures with CNGC subsidiaries.

2. Brief History of CNGC

CNGC was established in 1999 as the main R&D and production facility for the Chinese armed forces.

In 2011 the China Internet Information Centre stated that CNGC owns 11 public companies: Lining Huajin Chemicals, NORINCO, Sichuan Nitrocell Co., Ltd., Changchun Yidong Clutch Co., Ltd., Huabei New Huaguang Information Materials Co., Ltd., Inner Mongolia North Hauler Joint Stock Co., Ltd., China North Optical-Electrical Technology Co., Ltd., Lingyun Industrial Co., Ltd., Jinxi Axle Co., Ltd., Baotou Beifang Chuangye Co., Ltd., and AKM Industrial Ltd. (<http://companies.china.org.cn/trade/company/128.html>) (accessed 13 June 2011)

3. Member Units

The structure of CNGC is highly complex and includes at least 46 large member units, and each of these has many different subordinate units. Included are research institutes, production facilities, trading companies, mining companies... The member units are distributed in 18 provinces, autonomous regions and municipalities in China, including Beijing, Shaanxi, Gansu, Shanxi, Hebei, Inner Mongolia, Liaoning, Jilin, Heilongjiang, Shandong, Henan, Hunan, Hubei and so on. There are dozens of overseas branches established all over the world. (<http://en.norincogroup.com.cn/html/aboutus/briefofng/>)

The Member Units are:

1. Ordnance Science and Research Academy of China
2. China North Industries Corporation
3. China North Chemical Industries Group Co.,Ltd.
4. China Ordins Group Co.,Ltd.
5. North Industries Group Finance Co.,Ltd.
6. North General Power Group Co., Ltd.
7. North Eletro (Electro)-Mechanical Intelligent Technology Corporation Ltd.

8. North Special Energy Group Co.,Ltd.
9. China North Material Science and Engineering Technology Group Corporation
10. North Electro-Optics Group Co.,Ltd.
11. North Information Control Group Co., Ltd.
12. North Navigation Technology Group Co., Ltd.
13. North Night Vision Technology Co.,Ltd.
14. North Laser Technique Co., Ltd.
15. North General Electronics Group Co., Ltd.
16. Inner Mongolia First Machinery Group Co.,Ltd.
17. Harbin First Machinery Group Corporation Ltd.
18. Inner Mongolia North Heavy Industries Group Corp.,Ltd.
19. Lingyun Industrial Group Co., Ltd.
20. Beijing North Vehicle Group Corporation
21. Jianglu Machinery & Electronics Group Co., Ltd.
22. Chongqing Tiema Industries Group Co., Ltd.
23. Hubei Jiangshan Heavy Industries Co., Ltd.
24. Wuhan Heavy Duty Machine Tool Group Corporation
25. BEIBEN Trucks Group CO.,LTD
26. Jinxi Industries Group Co., Ltd.
27. Yuxi Industrial Group Co., Ltd.
28. Liaoshen Industrial Group Co., Ltd.
29. Huaihai Industry Group Co., Ltd.
30. Northwest Industries Group Co., Ltd.
31. Northeast Industries Group Co.,Ltd.
32. North Hua'an Industry Group Co.,Ltd.
33. Jiangnan Industries Group Co.,Ltd.
34. Shandong Special Industry Group Co.,Ltd.
35. Liaoning Huajin Chemicals Group Corporation
36. China Ordnance Industry Planning and Research Institute
37. China Ordnance Industry Information Center
38. China Wuzhou Engineering Group
39. Northern Engineering Design & Research Institute Co., Ltd.
40. Norinco Group Test and Measuring Institute
41. China North Talent Ability Development and Research Institution
42. China Ordnance Society
43. China Command & Control Society
44. Northern Realty Management Group Ltd.
45. Northern Development Investment Co.,Ltd.
46. Beijing North Energy Conservation and Environment Protection Co.,Ltd.

(<http://en.norincogroup.com.cn/html/organization/memberunit/>)

4. Industries in which Norinco Group and member units are active

- Military, Security and Police equipment (MSP), this includes, inter alia, following:
 - Armoured vehicles: Main Battle tanks (Type 62; ZTZ99; MBT2000; MBT3000); WZ551 (ZSL-92) series 6X6 wheeled armoured vehicles ; ZBL-09 (VN1) 8 × 8 wheeled armoured vehicles; WMZ551; VN3; VN4; GSL131 mine clearing vehicle; ZBD-04 (WZ502) infantry fighting vehicle;
 - Long-range suppression/artillery: howitzers (Type 83 152mm self-propelled; PLZ05 155mm self-propelled); artillery (PTL02 100 mm self-propelled; 105mm self-propelled; PTL-05 120 mm self-propelled mortars); 122mm multiple rocket launcher systems;
 - Air defense and anti-missile: PGZ95 self-propelled anti-aircraft artillery; 25mm AA; 35mm AA
 - Precision strike weapons: HJ-09 antitank missile systems; Red Arrow 8;
 - Effective damage: extended range full bore ammunitions
 - Anti-riot/law enforcement: tear gas; ZFB-05 4x4 wheeled armoured anti-riot vehicle; WZ901 armoured vehicle
- Resource extraction
- Construction
- Chemical engineering
- Heavy-duty Equipment: GJT-210 and GJT 211 armoured bulldozer;
- Logistics
- Import & Export
- Opto-electronic Information Technology

5. Corporate Structure

PARENT: China North Industries Group Corporation (中国兵器工业集团公司) (CNGC)

Details other Owners	Type of Work	Details		Source
Chinese government	Military, Security and Police equipment (MSP) Resource extraction Construction Chemical engineering Heavy-duty Equipment Logistics Import & Export Opto-electronic Information Technology	main body for research and development of weapons and equipment of land forces: <ul style="list-style-type: none"> • Defence products • Heavy duty equipment; • Special Chemicals; • Opto-electronics 	http://en.norincogroup.com.cn/	http://www.wuzhou.com.cn

1. MEMBER UNIT: Ordnance Science and Research Academy of China (中国兵器科学研究院)

Details Owner/Other Owners	Type of Work	Details		Source
CNGC	MSP Research	integrated research institute for conventional weapons and technologies in China		http://www.norincogroup.com.cn/memberdetail.aspx?id=97
SUBSIDIARY: China North Vehicle Research Institute (中国北方车辆研究所) Also known as 201 Institute of Norinco.				
Ordnance Science and Research Academy of China	MSP & civilian vehicles research & Development	Products include various types of armoured vehicles Publication: "Tanks and Armoured Vehicles" (坦克装甲车辆 杂志)	http://www.noveri.com.cn	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 ; http://www.norincogroup.com.cn/memberdetail.aspx?id=110 ; http://baike.zhige.net/doc-view-1205
SUBSIDIARY: Xi'an Modern Control Technology Institute (西安现代控制技术研究所)				
Ordnance Science and Research Academy of China				http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=112
SUBSIDIARY: China Ordnance Industry Standardization Institute (中国兵器工业标准化研究所)				
Ordnance Science and Research Academy of China			http://www.cosi.com.cn	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=179
SUBSIDIARY: China North Industries to promote new technologies Institute (中国兵器工业新技术推广研究所)				
Ordnance Science and Research Academy of China			http://www.techinfo.gov.cn	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=98
SUBSIDIARY: Northwest Institute of Mechanical and Electrical Engineering (西北机电工程研究所)				
Ordnance Science and Research Academy of China	MSP/civilian R&D		http://www.bq202.com/	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=111
SUBSIDIARY: Xi'an Modern Chemistry Research Institute (西安近代化学研究所)				
Ordnance Science and Research Academy of China	MSP R&D	Energetic materials R&D	http://www.mcric204.com.cn	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=113
SUBSIDIARY: Northern Science and Technology Information Institute (北方科技信息研究所)				
Ordnance Science and Research Academy of China	Publishing		http://www.defenseonline.com.cn	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=126

Details Owner/Other Owners	Type of Work	Details		Source
SUBSIDIARY: China North Industries Archives (中国兵器工业档案馆)				
Ordnance Science and Research Academy of China			http://a31609797.site.hichina.com	http://www.norincogroup.com.cn/memberdetail.aspx?id=97 http://www.norincogroup.com.cn/memberdetail.aspx?id=100

2. MEMBER UNIT: China North Industries Corporation (Norinco) (中国北方工业公司)

Details other Owners	Type of Work	Details		Source
CNGC	Military Security Police equipment (MSP) Resource extraction Construction Chemical engineering Heavy-duty Equipment Logistics Import & Export Opto-electronic Information Technology	<ul style="list-style-type: none"> industrial manufacturer of vehicles, machinery, optical-electronic products, oil field equipment, chemicals, light industrial products, explosives and blast materials, civil & military firearms and ammunitions etc petroleum & mineral resources exploitation, international engineering contracting, vehicles and logistics operation, etc. 	www.norinco.com	www.norinco.com ; http://www.cccme.org.cn/shop/cccme0012/index.aspx
SUBSIDIARY: Medallion Engineering				
Norinco	MSP engineering	Construction military barracks. Based in Uganda		Ugandan President commissions Chinese constructed military barracks, 12 April 2010 ((http://en.people .
SUBSIDIARY: China Wanbao Engineering Corp (中国万宝工程公司)				
Norinco	MSP engineering	Military and civil engineering products including factories to manufacture solid and rocket and missile propellants		http://www.alitchina.com/en/bencandy.php?fid=53&id=58

Details other Owners	Type of Work	Details		Source
SUBSIDIARY (wholly-owned): Wanbao Mining Company Limited (万宝矿产有限公司)				
Norinco	Resource extraction	Is a Class-A Management Import/Export Enterprise Mineral resources including copper, cobalt, nickel, chrome, etc. and planning to invest and exploit tantalum, columbium, lead, zinc, precious metals etc.	http://www.wbmining.com/en/about.htm	http://www.norinco.com/c1024/english/newscenter/content_120.html http://www.norinco.com.cn/c1024/english/newscenter/content_163.html
JOINT VENTURE: Wanbao Mining Ltd. (NOTE might be same as Wanbao Mining Company Ltd)				
Norinco (60%), China Wanbao Engineering Corp (40%)	Resource extraction			Norinco International inks USD700 million contract, Sinocast, 29 August 2011
SUBSIDIARY: Wanbao Resources				
Wanbao Mining Co. Ltd	Resource extraction			Chinese resources and energy policy in Sub-Saharan Africa. Report for the Development Committee of the European Parliament, by Jonathan Holslag, Gustaaf Geeraerts, et. Als, VUB, 2007
SUBSIDIARY: Wanbao Mining (Hong Kong)				
Norinco	Resource extraction			Norinco's Wanbao Mining launches copper and cobalt smelting, China Metals Report Weekly, 15 April 2005
SUBSIDIARY: Wanbao Rexco Ltd				
Norinco	Resource extraction			http://www.noseweek.co.za/article/3145/Latest-reports-on-Zimbabwe-and-DRC-from-Africa-Confidential
JOINT VENTURE: Wanbao Mining Ltd. Zimbabwe (万宝津巴布韦矿业有限公司)				
Norinco (60%), Zimbabwe Mining Development (20%), Zimbabwe Defence Industries (20%)	Resource extraction			ZMDC to Revive Closed Mines, Explore Minerals, Africa News, 12 July 2006; (see also http://zimbabwe.mofcom.gov.cn/sys/print.shtml?catalog/zgqy/200209/20020900041074 http://www.beris.cn/cn/news/company/133.html)

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Wanbao Shinex				
Norinco				http://www.noseweek.co.za/article/3145/Latest-reports-on-Zimbabwe-and-DRC-from-Africa-Confidential
JOINT VENTURE: Zimbao Mining Ventures				
Norinco (through Wanbao Shinex) and ZMDC	Resource extraction	Copper and gold mining Perhaps barter deals for current or past arms deals		http://www.noseweek.co.za/article/3145/Latest-reports-on-Zimbabwe-and-DRC-from-Africa-Confidential
JOINT VENTURE: Global Platinum Resources				
Norinco (through Wanbao Rexco Ltd) (50%), Zimbabwe Mining Development (50%)	Resource extraction			ZMDC to Revive Closed Mines, Explore Minerals, Africa News, 12 July 2006; ZMDC Seeks US\$300 Million, Africa News, 29 Nov 2006
JOINT VENTURE: Fuli Corporation				
Wanbao Mining (Hong Kong) (51%), Comide (49%) Comide = Gecamines and DGI International	Resource extraction			Norinco's Wanbao Mining launches copper and cobalt smelting, China Metals Report Weekly, 15 April 2005
JOINT VENTURE: Feza Mining				
Wanbao Resources, and Comide Comide = Gecamines and DGI International	Resource extraction			Providing Iron for Chinese Armaments, Africa Mining Intelligence, 1 February 2006
JOINT VENTURE: Jinbao Mining Industry Co.				
CNGC (50%), Zijin Mining (50%)	Resource extraction	Zijin Mining is currently cooperating with China North Industries Group (North Industries) to explore a laterite nickel mine in the Union of Myanmar.		"Zijin Mining Expands Overseas Mines", 17 April 2007 (http://www.resourceinvestor.com/pebble.asp?relid=30921)
JOINT VENTURE: Wanbao Mining (Myanmar) Copper Company (万宝矿产 (缅甸) 铜业公司) Myanmar Yang Tse Copper Ltd.				
Norinco (60%), China Wanbao Engineering Corp. (40%)	Resource extraction		http://mywanbaocopper.wordpress.com/ ; http://www.myanmaryangtse.com.mm/	http://mywanbaocopper.wordpress.com/ ; www.wbmining.com/hjyskzr/skzr/226.htm

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Norinco Optech (Norin-Optech) (北方光电科技股份有限公司)				
Norinco	MSP	Manufacture and sale of binoculars, rifle scopes, telescopes,...	http://www.norincoptech.com/	http://www.norinco.com.cn/c1024/english/newscenter/content_84.html ; (http://www.norinco.com/c1024/english/newscenter/content_01.html) ; http://www.norinco.com.cn/GB/27/41/index.html
SUBSIDIARY: Kunming Yuanda Optical Co. Ltd (昆明远达光学有限公司)				
Norinco Optech	MSP	Yuanda, a trademark of NORINCO OPTECH Co., Ltd, Manufactures binoculars, scopes...		http://www.norinco.com.cn/c1024/english/newscenter/content_67.html ; http://www.norinco.com.cn/GB/27/41/index.html
SUBSIDIARY: AKM Electronics Industrial Co., Ltd. (安捷利电子实业有限公司)				
Norinco Optech		(Listed company)	www.akmcompany.com	http://www.norinco.com.cn/GB/27/41/index.html ; http://www.norincogroup.com.cn/cn/stock.aspx?id=12 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=12
SUBSIDIARY: Zhongshan Precision Optics Company				
Norinco Optech	Opto-electronics			http://www.norinco.com.cn/c1024/english/newscenter/content_1.html ;
SUBSIDIARY: Norimc Logistics Co.				
Norinco (51%), HK International Marine Carriers Co Ltd (49%)	Logistics	Subsidiaries: Shanghai Normic Logistics, Shanghai NRS - Norinco Logistics co ltd, Shenzhen North International Logistics, Norinco Push International Development co ltd,	http://www.norimc.com/	
SUBSIDIARY: China Zhenhua Oil				
Norinco	Resource extraction	Petroleum		http://www.norinco.com.cn/c1024/english/newscenter/content_130.html ; http://www.norinco.com.cn/c1024/english/newscenter/content_92.html
SUBSIDIARY: Goldpetrol				
China Zhenhua Oil (40%) and Interra Resources (60%)	Resource extraction	Petroleum		Interra Resources in the fast lane into local content, The Edge Singapore, 7 May 2012

Details other Owners	Type of Work	Details		Source
JOINT VENTURE: Dalian North Oil Petroleum Logistics Company Ltd				
China Zhenhua Oil (54%), Dalian Port Company (20%), Panjin Asphalt Company (26%)	Logistics	Petroleum distribution		China's Dalian port to add crude storage in 2011, Platts Oilgram Price Report, 12 August 2010
SUBSIDIARY: Liaoning Jinhua Chemicals Group				
China Zhenhua Oil	Chemical engineering			Global ethylene production continues advance in 2009, Oil & Gas Journal, 26 July 2010
SUBSIDIARY: Norinco International Cooperation (北方国际合作股份有限公司)				
		(Listed company)	www.norinco-intl.com	http://www.norincogroup.com.cn/cn/stock.aspx?id=2 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=2; http://finance.sina.com.cn/stock/t/20140331/050218660896.shtml

3. MEMBER UNIT: China North Chemical Industries Group Co. Ltd (Nocinco) (中国北方化学工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Chemical engineering	Controls 26 R&D institutes, trading companies and manufacturing entities. Including: (a) 辽宁北方化学工业有限公司 (b) 北京北化维普物流有限责任公司 (c) 辽宁北化储运有限公司 (d) 国营第七二五库 (e) 国营第八二五库 (f) 北化凯明化工有限公司 (g) 大连北方化学工业有限公司 (h) 无锡北方化学工业有限公司 (i) 成都北方化学工业有限责任公司 (j) 甘肃北化贸易有限公司 (k) 广州北化凯明贸易有限责任公司 (l) 山西北方石油销售有限公司	http://www.nocinco.com.cn/	http://en.norincogroup.com.cn/html/2012/memberunit_0320/19.html http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.nocinco.com.cn/cn/member.php?pid=668
SUBSIDIARY: Shanxi Xing'an Chemical Industry Group Co., Ltd. (山西兴安化学工业集团有限责任公司)				
Nocinco	Chemical Engineering			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=182

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Qingyang Chemical Industry Corporation Ltd. (辽宁庆阳特种化工有限公司)				
Nocinco	MSP / Chemical Engineering	Explosives production. Includes: 34 manufacturing enterprises, four research institutes, and import and export company.	http://www.qycc.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=49; http://www.nocinco.com.cn/cn/memberinfo.php?id=485&pid=668
SUBSIDIARY: Xi'An North Huian Chemical Industries Co. Ltd (西安北方惠安化学工业有限公司)				
Nocinco	MSP / Chemical engineering	Explosives production / R&D: Mainly responsible for the task of military research and development and production of propellants, combustible ordnance components Includes: 16 subsidiaries, 2 research institutions, and various foreign investment companies.	http://www.xaha.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=56; http://www.cngcyx.com/xiehuihuikan/show.php?itemid=236; http://www.nocinco.com.cn/cn/memberinfo.php?id=490&pid=668
SUBSIDIARY: Sichuan Nitrocellulose Co. Ltd. (四川北方硝化棉股份有限公司)				
Nocinco	Chemical engineering	(Listed company) Nitrocellulose production / R&D Cooperation with Akzo Nobel and Lanxess. (?)	http://www.sn-nc.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=183; http://www.norincogroup.com.cn/stock.aspx?id=3 http://www.norincogroup.com.cn/stockpri.aspx?id=3 http://www.nocinco.com.cn/cn/memberinfo.php?id=491&pid=668;

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Luzhou North Chemical Industry Co., Ltd (LNCC) (泸州北方化学工业有限公司)				
Nocinco	Chemical engineering	15 subsidiaries: Sichuan Guifeng Silicone Materials Co., Ltd., Luzhou North Qiaofeng Chemical Co., Ltd. and Luzhou North Dadong Chemical Co., Ltd. Top share holder of Sichuan Nitrocellulose Co., Ltd. Hercules Tianpu Chemical Co., Ltd., a joint venture of LNCC with American Hercules Corporation, has become the largest methyl cellulose manufacturer in China.	http://www.luzhou-north.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=54; http://www.nocinco.com.cn/cn/memberinfo.php?id=484&pid=668
SUBSIDIARY: Gansu Yinguang Chemical Industry Group Co., Ltd. (甘肃银光化学工业集团有限公司)				
Nocinco	Chemical engineering	Production and R&D energetic materials and polyurethane. 16 subsidiaries.	http://www.yghg.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=57; http://www.nocinco.com.cn/cn/memberinfo.php?id=486&pid=668
SUBSIDIARY: Shanxi Xinhua Chemical Co., Ltd. (山西新华化工有限责任公司)				
Nocinco	MSP / civilian (gas masks, respirators,...)	16 subsidiaries.	http://www.sxxinhua.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=128; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=47; http://www.nocinco.com.cn/cn/memberinfo.php?id=492&pid=668

4. MEMBER UNIT: China Ordins Group Co. Ltd. (China Ordnance Material Group Co., Ltd.) (中国兵工物资集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC, Anshan Iron and Steel Group Corporation and Jiangxi Copper Corporation.	Logistics	<p>Bulk trade industrial materials, warehousing, logistics.</p> <p>Has 10 wholly owned subsidiaries and holding companies.</p> <p>Ordins has established a strategic partnership with foreign resource companies and other large domestic companies, such as CODELCO, BHP Billiton, Anshan Iron and Steel Group, Baosteel Group, Jinchuan Group, Jiangxi Copper, Petro China, Sinopec.</p>	http://www.ordins.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=96

5. MEMBER UNIT: North Industries Group Finance Co. Ltd. (兵工财务有限责任公司)

Details other Owners	Type of Work	Details		Source
CNGC	Financial services	<p>(2011) 24 shareholders: CNGC; Norinco; 北京兵工汽车贸易有限公司; 沈阳东基工业集团有限公司; Nanjing North Information Industry Group; North Automatic Control Technology Institute; Inner Mongolia First Machinery (Group); Jinxi Industries Group; 上海灵器工贸有限公司; 廊坊市红黄蓝化工有限责任公司; China Ordins Group; Northern Real Estate Development Co; Ordnance Service Center; Henan Zhongnan Industrial Co; Xi'an North Photoelectric Co., Ltd.; Xi'an Orient Group; China North Vehicle Research Institute; Xi'an Modern Control Technology Institute; Xi'an Electronic Engineering Research Institute; Nocinco; Northwest Institute of Mechanical and Electrical Engineering; Xi'an Institute of Applied Optics; Xi'an Huashan Machinery Industrial Co; Shaanxi Northwest Ordnance</p> <p>(http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=21609&type=50)</p>	http://www.norinco.com.cn	<p>http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=155;</p> <p>http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=21609&type=50</p>

6. MEMBER UNIT: North General Power Group Co. Ltd. (北方通用动力集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	MSP/civilian	Production and R&D engines for civilian and MSP purposes.	http://www.ngpg.net/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=211
SUBSIDIARY: Shanxi Diesel Engine Industry Co., Ltd. (山西柴油机工业有限责任公司)				
North General Power Group Co. Ltd.	Diesel engines and generators.	Exports to 20 countries.	http://www.shanxi-engine.com.cn	http://www.ngpg.net/Category_9/Index.aspx ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=6
SUBSIDIARY: Shaanxi Northern Power Co., Ltd. (陕西北方动力有限责任公司)				
North General Power Group Co. Ltd.	MSP/civilian	Engines for light armoured vehicles Air-cooled diesel engines for civilian market.		http://www.ngpg.net/Category_9/Index.aspx ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=69 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=32022&type=8 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=20937&type=1
SUBSIDIARY: Hebei Huabei Diesel Engine Co. Ltd. (河北华北柴油机有限责任)				
North General Power Group Co. Ltd.	Manufactures diesel engines	Manufactures water-cooled and air-cooled diesel engines, including the German Deutz B/FL413F/513 series under license. Since 2011 part of North General Power Group Co. Ltd.	http://www.chbdp.com/	http://www.ngpg.net/Category_9/Index.aspx ; http://www.chbdp.com/ ; http://www.chbdp.com/fzlc.html
SUBSIDIARY: Factory 615 (615厂)				
				http://www.chbdp.com/fzlc.html
SUBSIDIARY: Factory 616 (616厂) = Shanxi Diesel Engine Industry Co., Ltd. ?				
				http://www.chbdp.com/fzlc.html ; http://www.dt.gov.cn/zwgk/zwdt/zwdt/201407/34359.html
SUBSIDIARY: Research Institute 70 (70研究所)				
				http://www.chbdp.com/fzlc.html
SUBSIDIARY: China North Engine Research Institute (中国北方发动机研究所建)				
North General Power Group Co. Ltd.				http://www.ngpg.net/Category_9/Index.aspx ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=125

7. MEMBER UNIT: North-Electro-Mechanical Intelligent Technology Corporation Ltd. (北方智能微机电集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=209
SUBSIDIARY: Liaoning Huaxing Electrical Co., Ltd (辽宁华兴机电有限公司)				
North-Electro-Mechanical Intelligent Technology Corporation Ltd.			http://www.cngchuaxing.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=209 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=30 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=30251&type=93

8. MEMBER UNIT: North Special Energy Group Co. Ltd. (北方特种能源集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Energetic materials production and R&D		http://www.nseg.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 http://www.nseg.com.cn/_d271490265.htm http://www.nseg.com.cn/_d271529479.htm
SUBSIDIARY: Special Energy Group Jindong Gong Division (特种能源集团晋东公司) formerly Shanxi North Fang Jindong Chemical Industry Group Co., Ltd. (山西北方晋东化工集团有限责任公司)				
North Special Energy Group			http://www.jdcg.com.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=43
SUBSIDIARY: Shaanxi Institute of Applied Physical Chemistry (陕西应用物理化学研究所)				
North Special Energy Group				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=119 ; http://www.norincogroup.com.cn/products/redetail.aspx?id=26624&type=28
SUBSIDIARY: Xi'an North Qinghua Mechanical and Electrical Group Co., Ltd. (西安北方庆华机电集团有限公司)				
North Special Energy Group			http://www.qhjdjt.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=73

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: North Fang Huafeng Specialty Chemicals Co., Ltd (辽宁北方华丰特种化工有限公司)				
North Special Energy Group			http://www.bfhuafeng.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=48 http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=19312&type=33
SUBSIDIARY: Jiang Yang Xing An Explosive Materials Co., Ltd. Shanxi (山西江阳兴安民爆器材有限公司)				
North Special Energy Group				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ;
SUBSIDIARY: Northern Blasting Engineering Co., Ltd. (北方爆破工程有限责任公司)				
			http://www.northblasting.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=171
SUBSIDIARY: Blasting Engineering Co., Ltd. Shanxi JiangYang (山西江阳工程爆破有限公司)				
North Special Energy Group		Note: This company might have become part of Northern blasting – see http://www.northblasting.com/en/about.aspx		http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ;
SUBSIDIARY: 陕西北方民爆集团有限公司				
North Special Energy Group				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=197 ;

9. MEMBER UNIT: China North Material Science and Engineering Technology Group Corporation (北方材料科学与工程研究院有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.normat.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=199

10. MEMBER UNIT: North Electro-Optics Group Co. Ltd. (北方光电集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	MSP/Opto-electronics	photoelectric defence products; it includes the four major segments, namely, a) precision-guided munitions, b) precision-guided munitions and laser seeker products, c) electronic flight instrument system products, and d) ground control and monitoring measurement and sensing equipment products Photovoltaic engineering systems, optoelectronic engineering technology - military and civilian use Co-operation with Canon, Carl Zeiss (2010-04-30)	http://www.xa205.com.cn/;	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=192; http://www.norincogroup.com.cn/CN/newsdetail.aspx?id=18466&type=59
SUBSIDIARY: Xi'an Institute of Applied Optics (西安应用光学研究所)				
North Electro-Optics Group Co. Ltd.	MSP/Opto-electronics	Thermal imaging, night vision, fire and control, Subsidiary (?): Xi'an Northern Light Communications Co., Ltd (有西安北方光通讯有限责任公司)	http://www.xa205.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=192; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=114
SUBSIDIARY: Photoelectric Co., Ltd., Jiangsu northern lake (江苏北方湖光光电有限公司) / Optical Instrument Factory, Jiangsu lake (江苏湖光光电仪器厂)				
North Electro-Optics Group Co. Ltd.	MSP/Opto-electronics	Gun sights, night vision goggles, infrared thermal imaging	http://www.jshggd.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=192; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=62; http://www.xa205.com.cn/jtjs/xsyq.htm
SUBSIDIARY: Henan Plain Optoelectronics Co., Ltd (河南平原光电有限公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	Precision optics	http://www.pyoe.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=192; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=65

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Xi'an North Photoelectric Co., Ltd. / North Electro-Optic Co. Ltd. (西安北方光电有限公司)				
North Electro-Optics Group Co. Ltd.	MSP/Opto-electronics	(Listed company) Includes 31 subsidiaries in Opto-electronics Defence, Photovoltaic, Opto-electronic Material and Component.	http://www.sicong.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=192; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=68; http://www.norincogroup.com.cn/cn/stock.aspx?id=5 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=5; http://www.sicong.com/en/about/company.asp
SUBSIDIARY: Hubei New Huaguang Information Materials Co. (NHG) (湖北新华光信息材料股份有限公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	Optical glass	http://www.xa205.com.cn/jtjs/xsyq/hbxhg/yqjj.htm ; http://www.hbnhg.com/	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/hbxhg/yqjj.htm
SUBSIDIARY: Xi'an Light Machinery Manufacturing Co., Ltd. (西安西光机械制造有限公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	Production lines and precision machining	http://www.xa205.com.cn/jtjs/xsyq/jxzz/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/jxzz/yqjj.htm
SUBSIDIARY: Xi'an Weiyuan Opto-electronic Technology Co, Ltd. (XWOT) (西安维元光电技术有限公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	R&D	http://www.xa205.com.cn/jtjs/xsyq/xawy/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/xawy/yqjj.htm
SUBSIDIARY: Wuxi Hongqi Shipyard Ltd. (无锡红旗船厂有限公司)				
North Electro-Optics Group Co. Ltd.				http://www.xa205.com.cn/jtjs/xsyq.htm ;
SUBSIDIARY: Yunnan Tianda Photovoltaic Technology Co., Ltd. (云南天达光伏科技股份有限公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	Manufacture of photovoltaic cells	http://www.xa205.com.cn/jtjs/xsyq/yntd/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/yntd/yqjj.htm
SUBSIDIARY: Kangfa Guang Xi'an Electric Information Systems Ltd. (西安康发光电信息系统有限公司)				
North Electro-Optics Group Co. Ltd.			http://www.xa205.com.cn/jtjs/xsyq/kfgs/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/kfgs/yqjj.htm

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Xi'an North Optical Communications LLC (西安北方光通信有限责任公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	Fibre optic cable	http://www.xa205.com.cn/jtjs/xsyq/gtx/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/gtx/yqjj.htm
SUBSIDIARY: (无锡信诺视听设备有限公司)				
North Electro-Optics Group Co. Ltd.				http://www.xa205.com.cn/jtjs/xsyq.htm ;
SUBSIDIARY: (上海大晨光电科技有限公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics	LED components	http://www.xa205.com.cn/jtjs/xsyq/shdcgd/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/shdcgd/yqjj.htm
SUBSIDIARY: Xi'an Vision Opto-electronic Technology Corp. (XVOT) (西安维实光电子技术总公司)				
North Electro-Optics Group Co. Ltd.	Opto-electronics for R&D		http://www.xa205.com.cn/jtjs/xsyq/wsgs/yqjj.htm	http://www.xa205.com.cn/jtjs/xsyq.htm ; http://www.xa205.com.cn/jtjs/xsyq/wsgs/yqjj.htm
SUBSIDIARY: China Opto-Electro Industries Co., Ltd.(OEC) / Beijing North Photoelectric Co Ltd (北京北方光电有限公司是)				
North Electro-Optics Group Co. Ltd. ????	MSP/Opto-electronics	Rifle scopes, night vision equipment, lenses...	http://www.oec.com.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=101

11. MEMBER UNIT: North Information Control Group Co. Ltd (北方信息控制集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.nhrdc.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=194
SUBSIDIARY: China North Computer Application Technology Research Institute (中国兵器工业计算机应用技术研究所—中国兵器)				
North Information Control Group			http://www.biea.org.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=194 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=99
SUBSIDIARY: Nanjing North Information Industry Group Co., Ltd. (南京北方信息产业集团有限公司)				
North Information Control Group			http://www.noec.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=194 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=61
SUBSIDIARY: North Automatic Control Technology Institute				
North Information Control Group			http://www.citcn.net	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=194 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=121

12. MEMBER UNIT: North Navigation Control Technology Co. Ltd. (北方导航控制技术股份有限公司)

Details other Owners	Type of Work	Details		Source
CNGC		(Listed company)	http://www.bfdh.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=212; http://www.norincogroup.com.cn/cn/stock.aspx?id=7 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=7
SUBSIDIARY: Harbin Jiancheng Group Co., Ltd (哈尔滨建成集团有限公司)				
North Navigation Control Technology Co.	MSP/ Heavy Duty Equipment	Civilian and military trucks		http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=212; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=35
SUBSIDIARY: HarbinJiancheng North Special Auto Co. Ltd				
Harbin Jiancheng Group Co Ltd	Heavy Duty Equipment	Manufacture of fuel transport vehicles	www.jcbfzyc.com	http://webcache.googleusercontent.com/search?q=cache:QLEpL-_GrusJ:www.jcbfzyc.com/en/+&cd=1&hl=en&ct=clnk&gl=uk
SUBSIDIARY: Xi'an North Jierui Optoelectronics Technology Co., Ltd. (西安北方捷瑞光电科技有限公司等)				
North Navigation Control Technology Co.				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=212;
SUBSIDIARY: Northern Navigation Technology Co., Ltd. (北方导航科技股份有限公司)				
North Navigation Control Technology Co.		(listed company)		http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=212; http://investing.businessweek.com/research/stocks/ownership/ownership.asp?ticker=600435:CH
SUBSIDIARY: China Ordnance Industry Institute of Navigation Control Technology (中国兵器工业导航与控制技术研究所)				
North Navigation Control Technology Co.				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=212;

13. MEMBER UNIT: North Night Vision Science & Technology Group Co. Ltd. (北方夜视科技集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC; Yunnan Vestment Holding Group	MSP / Opto-electronics	Night vision equipment Includes Factory 211 (211厂) and Factory 298 (298厂)	http://www.nvir.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=190
DIVISION: : Night Vision Technology Research Institute (夜视技术研究院)				
North Night Vision Science & Technology				http://www.nvir.cn/; http://en.norincogroup.com.cn/html/2012/memberunit_0320/29.html
DIVISION Infrared detectors Centre (红外探测器中心)				
North Night Vision Science & Technology				

Details other Owners	Type of Work	Details		Source
DIVISION: Xi'an micro optics research centre (西安微光器件研究中心)				
North Night Vision Science & Technology				http://en.norincogroup.com.cn/html/2012/memberunit_0320/29.html
SUBSIDIARY: Kunming Institute of Physics (昆明物理研究所)				
North Night Vision Science & Technology Group	Opto-electronics	R&D (Infrared thermal imaging technology)		http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=17890 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=117 ; http://www.nvir.cn/web/list.html?1005
SUBSIDIARY: Yunnan North Optical Instrument Co., Ltd (云南北方光电仪器有限公司)				
North Night Vision Science & Technology Group	Opto-electronics	Binoculars, medical optical instruments, infrared and night vision devices, microscopes, telescopes, rifle scopes...	http://www.ynoe.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=67 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=17890
SUBSIDIARY: North Night Vision Technology Co., Ltd. (北方夜视技术股份有限公司)				
North Night Vision Science & Technology Group	MSP / Opto-electronics	Night vision equipment. Established in April 2000, from Yunnan Optical Instrument Factory, (云南光学仪器厂) Nanjing Xuguang Instrument Factory (南京旭光仪器厂), Xi'an Institute of Applied Optics Instruments (西安应用光学仪器研究所)	http://www.nvt.com.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=190 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=175 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=17890
JOINT VENTURE: Yunnan KIRO-CH Photonics Co., Ltd (北方夜视技术股份有限公司)				
North Night Vision Science & Technology Group				http://www.kiro.cn/
JOINT VENTURE: Yunnan North Aolei Optoelectronics Technology Co., Ltd or Yunnan North OLIGHTEK Opto-Electronic Technology Co.,Ltd				
	Develops and manufactures Active Matrix Organic Light Emitting Diode (AMOLED) micro displays.			http://www.oleid.com/

Details other Owners	Type of Work	Details	Source
JOINT VENTURE: Yunnan North Queensland property Optoelectronics Technology Development Co., Ltd (云南北方昆物光电科技发展有限公司)			
	Opto-electronics	Develops infrared semiconductor materials, infrared detectors, infrared optical materials, optical lenses and a full range of infrared-red optical systems, infrared thermal imager and various non-standard thermal imager testing equipment	http://www.bkocn.com

14. MEMBER UNIT: North Laser Technology Co. Ltd. (北方激光科技集团有限公司)

Details other Owners	Type of Work	Details	Source
CNGC	MSP / Opto-electronics	opto-electronic materials, opto-electronic detector, laser /image guidance, laser countermeasure and tactic laser weapon, etc.,	http://northlaser.com/
SUBSIDIARY: Jiangsu Shuguang Optical Co., Ltd. (江苏曙光光电有限责任公司)			
North Laser Technology Co. Ltd.	Opto-electronics	R&D lasers, etc.	http://www.jsshg.com
SUBSIDIARY: Southwest Research Institute of Technical Physics (西南技术物理研究所)			
North Laser Technology Co. Ltd.	Opto-electronics	R&D laser technology for civilian and MSP service.	http://www.xiwu.net

15. MEMBER UNIT: North General Electronics Group Co. Ltd. (北方通用电子集团有限公司)

Details other Owners	Type of Work	Details	Source
CNGC	MSP	air defence fire control radar, millimetre wave devices and integrated application, etc.	http://www.ngeg.com.cn/
SUBSIDIARY: East China Institute of opto-electronic integrated device (华东光电集成器件研究所--中国兵器)			
North General Electronics Group Co. Ltd.			http://www.214ic.cn

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Xi'an Electronic Engineering Research Institute (西安电子工程研究所)				
North General Electronics Group Co. Ltd.	R&D for civilian and MSP applications		http://www.206.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=193 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=115 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=18787
SUBSIDIARY: East Photonics R & D center Suzhou ????				
East China Institute of optoelectronic integrated device				http://www.sasac.gov.cn/n1180/n1226/n2410/n314244/6803518.html ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=17100&type=8

16. MEMBER UNIT: Inner Mongolia First Machinery Group Co. Ltd (FIRMACO) Previously known as Factory 617, Baotou Tank Plant (内蒙古第一机械集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Heavy Duty Equipment.	Manufactures North-Benz heavy duty trucks.	http://www.nmgjy.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=14
SUBSIDIARY: Shanxi Fenglei Drilling Tools Co. Ltd. / Shanxi North Fenglei Industry Group Co.,Ltd. (山西北方风雷工业集团有限公司)				
Inner Mongolia First Machinery Group Co. Ltd	Heavy Duty Equipment	Manufactures drilling equipment (pipes,...)	http://www.sfmccn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=181 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=30579&type=1 ; http://www.nmgjy.com/en_products/list.php?catid=25 ; http://www.nmgjy.com/chanpin/
SUBSIDIARY: Shanxi North Machine Building Co. Ltd. (山西北方机械制造有限公司)				
Inner Mongolia First Machinery Group Co. Ltd			http://www.sxbfjx.com.cn/index.php	http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=30579&type=1 ; http://www.nmgjy.com/en_products/list.php?catid=24 ; http://www.nmgjy.com/chanpin/
SUBSIDIARY: 诺灵高效高压永磁同步电动机 / 西山北方机械永磁电机事业				
Shanxi North Machine Building Co. Ltd			http://www.norinco-motor.com	http://www.sxbfjx.com.cn/index.php
SUBSIDIARY: Technology Center - Shanxi North Machine Building Co. (技术中心 - 山西北方机械制造有限公司)				
Shanxi North Machine Building Co. Ltd.			http://www.sxbfjx.com.cn/plus/qjjszx.htm	http://www.sxbfjx.com.cn/plus/qjjszx.htm

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Hongyuan Electric Co., Ltd (宏远电器有限公司是)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/cp19_gsjj.html
SUBSIDIARY: DaDi Petroleum Machinery Company (大地石油机械公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/en_products/list.php?catid=26 http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/index.php?homepage=ddsy
SUBSIDIARY: DaDi Engineering Machinery Co. Ltd. (大地工程机械有限公司)				
Inner Mongolia First Machinery Group	Heavy Duty Equipment	Bulldozers,...		http://www.nmgjy.com/en_products/list.php?catid=27; http://www.nmgjy.com/chanpin/; http://www.nmgjy.com/index.php?homepage=ddgcjx
SUBSIDIARY: Lectra Rubber Products Co (力克橡塑制品有限公司 公司)				
Inner Mongolia First Machinery Group		配套及出口情况：北方奔驰重型汽车有限公司，北方重型车辆股份有限公司，山东华泰汽车有限公司；出口美国产品，欧洲重型车配套产品。 Note: Same as Rubber and Plastic co .ltd mentioned on Firmaco website?		http://www.nmgjy.com/chanpin/cp17_gsjj.html
SUBSIDIARY: Baotou Beifang Venture Co., Ltd. / Baotou Beifang Chuangye Co.,Ltd (Northern Venture Corporation) [包头北方创业股份有限公司 (北方创业股份有限公司)]				
Inner Mongolia First Machinery Group	Heavy-Duty Equipment	(Listed company) Manufacture of railway wagons, pressure vessels, vehicle spare parts	http://www.bfcy.cc	http://www.nmgjy.com/chanpin/ http://www.norincogroup.com.cn/cn/stock.aspx?id=10 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=10 http://www.nmgjy.com/index.php?homepage=bfcy
SUBSIDIARY: First Branch (第一分公)				
Inner Mongolia First Machinery Group	Steel manufacture			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp06_gsjj.html
SUBSIDIARY: Fourth Branch (第四分公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp07_gsjj.html

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Fifth Branch (第五分公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp08_gsjj.html
SUBSIDIARY: Sixth Branch (第六分公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp09_gsjj.html
SUBSIDIARY: Tenth Branch (第十分公司)				
Inner Mongolia First Machinery Group	Steel and iron casting,...			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp10_gsjj.html
SUBSIDIARY: Fucheng Forging Co. Ltd. (富成锻造有限责任公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp11_gsjj.html
SUBSIDIARY: Baotou Great Northern Equipment Manufacturing Co., Ltd. Venture (包头北方创业大成装备制造有限公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp12_gsjj.html
SUBSIDIARY: Reiter Precision Tool & Die Co., Ltd. (瑞特精密工模具有限公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp13_gsjj.html
JOINT VENTURE: Guodian United Power Technology (Baotou) Co., Ltd. [国电联合动力技术(包头)有限公司]				
Inner Mongolia First Machinery Group + Guodian United Power Co		Joint venture		http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp14_gsjj.html
SUBSIDIARY: North Industry Ltd (北方实业有限公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/index.php?homepage=bfsy
SUBSIDIARY: Lutong Spring Co. (路通弹簧有限公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/index.php?homepage=lth
SUBSIDIARY: Deer God Welding Co. Ltd (神鹿焊业有限公司)				
Inner Mongolia First Machinery Group				http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp18_gsjj.html

Details other Owners	Type of Work	Details	Source
SUBSIDIARY: Shenzhen Jian Machinery Co., Ltd (深圳坚达机械有限公司)			
Inner Mongolia First Machinery Group			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp20_gsjj.html
SUBSIDIARY: Precision equipment repair and installation company (精密设备维修安装公司)			
Inner Mongolia First Machinery Group			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/chanpin/cp21_gsjj.html
SUBSIDIARY: Raymond Special Casting Machine Group Co., Ltd (林峰特种铸造有限公司)			
Inner Mongolia First Machinery Group			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/linfeng/linfeng_gsjj.html
SUBSIDIARY: Ordnance New Century Hotel (兵工新世纪宾馆)			
Inner Mongolia First Machinery Group			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/index.php?homepage=bgxsj
SUBSIDIARY: Beijing Vico Hotel Limited (北京维科宾馆有限公司)			
Inner Mongolia First Machinery Group			http://www.nmgjy.com/chanpin/ http://www.nmgjy.com/index.php?homepage=wkgb

17. MEMBER UNIT: Harbin First Machinery Group Corporation Ltd. (哈尔滨第一机械集团有限公司)

Details other Owners	Type of Work	Details	Source
CNGC	MSP	Tracked vehicles.	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=210
SUBSIDIARY: Qiqihar Northern Machine Co. Ltd (齐齐哈尔北方机器有限责任公司)			
Harbin First Machinery Group			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=9; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=23269&type=1
Harbin First Machine Manufacturing Group Co., Ltd.??			
			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=8

18. MEMBER UNIT: Inner Mongolia North Heavy Industries Group Corporation Ltd. (内蒙古北方重工业集团有限公司)

Details other Owners	Type of Work	Details	Source
CNGC	Heavy Duty Equipment		http://www.bfzg.com http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=10
SUBSIDIARY: Inner Mongolia North Heavy-Duty Truck Co., Ltd. (内蒙古北方重型汽车股份有限公司)			
Inner Mongolia North Heavy Industries Group	Heavy Duty Equipment	(Listed company) Heavy dump trucks, mining trucks, excavators,	http://www.chinanhl.cn/ http://www.norincogroup.com.cn/cn/stock.aspx?id=6 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=6 http://www.chinanhl.cn/

19. MEMBER UNIT: Lingyun Industrial Group Co. Ltd (北方凌云工业集团有限公司)

Details other Owners	Type of Work	Details		Source
			http://www.lyig.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=4
SUBSIDIARY: Hebei Machinery Co. Yanxing (河北燕兴机械有限公司)				
Lingyun Industrial Group			http://www.cngc137.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=11 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=22280&type=57
SUBSIDIARY: Hebei Taihang Machinery Industrial Co., Ltd (团河北太行机械工业有限公司)				
Lingyun Industrial Group				http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=22280&type=57
SUBSIDIARY: Beijing North Wall Photoelectric Instrument Co., Ltd (北京北方长城光电仪器有限公司)				
Lingyun Industrial Group	Opto-electronics	Development night vision equipment.		http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=22280&type=57
SUBSIDIARY: Lingyun Industrial Corporation Ltd (凌云工业股份有限公司)				
Lingyun Industrial Group		(Listed company)	http://www.lingyun.com.cn	http://www.lingyun.com.cn/_d274826631.htm ; http://www.lyig.com/page/lygf/index.php http://www.norincogroup.com.cn/cn/stock.aspx?id=8 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=8
JOINT VENTURE: Chinaust Group				
Lingyun Industrial Corporation; Georg Fischer Piping Systems (Switzerland)		PE Pipes and Fittings are used in mining industry, chemical industry, municipal water distribution network system and municipal gas distribution network system. PA Tubes for fuel line systems, HVAC fluid carrying systems, vacuum pipes and brake hose assemblies are supplied to automotive manufacturers.	http://www.chinaust.com/	http://www.lyig.com/ ; http://www.chinaust.com/en/about.asp?CategoryID=7
SUBSIDIARY: Changchun Chinaust Automobile Parts Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Shanghai Chinaust Automotive Plastics Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Hebei Chinaust Automotive Plastics Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Chinaust Plastics Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Shanghai Chinaust Plastics Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Chinaust Plastics (Shenzhen) Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Sichuan Chinaust Plastics Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Shanghai Georg Fischer Chinaust Plastics Fittings Corp. Ltd				
Chinaust				http://www.chinaust.com/en/about.asp?CategoryID=10
SUBSIDIARY: Lingyun Group Hebei Taihang Machinery Industries Co. Ltd.				
Lingyun Industrial Group			http://www.taihang197.com/	http://www.lyig.com/;
JOINT VENTURE: Lingyun Driveline (Zhuozhou) Co. Ltd. (世特凌云驱动系统(涿州)有限公司)				
			http://www.dsly.cn	http://www.lyig.com/; http://www.lyig.com/page/lycy/index.php
?? Lingyun Wall Optical Company (凌云长城光电公司)				
Lingyun Industrial Group				http://www.lyig.com/page/lyccgd/index.php; http://www.lyig.com/page/lycy/index.php
?? Lingyun Asia Group (亚大集团)				
Lingyun Industrial Group				http://www.lyig.com/page/lyyd/index.php; http://www.lyig.com/page/lycy/index.php
?? Lingyun Driveshaft Company (凌云驱动轴公司)				
Lingyun Industrial Group		(Note) Nexteer link not clear. JV between Lingyun and Nexteer? Nexteer owned by Pacific Century Motors (AVIC Automobile Industry Holding Co. has 51% shares PCM (2011) http://www.mlive.com/business/mid-michigan/index.ssf/2011/04/nexsteers_parent_acquired_compa.html#incart_mce		http://www.lyig.com/page/lyqdz/index.php; http://www.lyig.com/page/lycy/index.php

Details other Owners	Type of Work	Details		Source
?? Lingyun Taihang company (凌云太行公司)				
Lingyun Industrial Group				http://www.lyig.com/page/lyth/index.php ; http://www.lyig.com/page/lycy/index.php
?? Lingyun Yan Xing Company (凌云燕兴公司)				
Lingyun Industrial Group				http://www.lyig.com/page/lyyx/index.php ; http://www.lyig.com/page/lycy/index.php
?? Lingyun Group Hebei Yanxing Machinery Co; Ltd. (凌云集团河北燕兴机械有限公司)				
Lingyun Industrial Group			http://www.cngc137.com/	http://www.lyig.com/page/lyccgd/index.php

20. MEMBER UNIT: Beijing North Vehicle Group Corporation (北京北方车辆集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	MSP	Armoured vehicles (装甲车辆) Special Vehicles (特种车辆) (emergency communication, police vehicles, ... ("The civilian products are made with the standard of military industry, and the military product management system and service are applied to civilian products.)	http://www.bj-north.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=2 ; http://www.bj-north.com.cn
SUBSIDIARY: Ropeway Equipment Manufacturing Company (索道设备制造公司)				
Beijing North Vehicle Group	Mechanical products	Equipment for cable cars.	http://en.chinasuodao.com/ http://www.chinasuodao.com	http://en.chinasuodao.com/ ; http://www.bj-north.com.cn
SUBSIDIARY: Northern Bus (Beijing North China-Germany Neoplan Bus Co., Ltd) (北方客车)				
Beijing North Vehicle Group	Manufacturing (civilian vehicles)	Manufactures luxury buses from German NEOPLAN Corporation.	www.northbus.com.cn	http://www.northbus.com.cn/en/about.asp?ID=526 ; http://www.bj-north.com.cn
SUBSIDIARY: Northern Recreational Vehicles (Beijing North RV Co., Ltd.) (北方房车)				
Beijing North Vehicle Group	Manufacturing (civilian vehicles)	Manufactures camping vehicles, trailers.	http://www.northrv.com.cn	http://www.bj-north.com.cn ;

21. MEMBER UNIT: Jianglu Machinery & Electronics Group Co. Ltd. (江麓机电集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	MSP / civilian	Company has 7 branches for MSP production and management	http://www.jianglu.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=17
SUBSIDIARY: Hunan Jianglu Heavy Equipment Co., Ltd (湖南江麓重型装备有限公司)				
Jianglu Machinery & Electronics Group	Manufacture	Tower cranes		http://www.jianglu.com.cn/company/jiangluzhongxingzhuangbeiyouxiangongsi.htm
Hunan Jianglu Heavy Industries Co., Ltd (湖南江麓重工科技有限公司)				
Jianglu Machinery & Electronics Group	Heavy Duty Equipment	Hydraulic excavators, drilling machines, rollers, trash compactors,		http://www.jianglu.com.cn/company/jiangluzhonggongkejyouxiangongsi.htm
JOINT VENTURE: Hunan Jianglu Rongda Vehicle Transmission Co., Ltd (湖南江麓容大车辆传动股份有限公司)				
Jianglu Machinery & Electronics Group; Hunan Xicheng Industrial Group; Changsha City Technology Venture Capital Management Co., Ltd.	Manufacture	Automatic car transmission	www.icvt.com	http://en.norincogroup.com.cn/html/2012/memberunit_0320/37.html ; http://www.jianglu.com.cn/company/jianglurongdacheliangchuanongyouxiangongsi.htm
Xiangtan Jianglu Precision Machinery Co., Ltd (湘潭江麓精密机械有限公司)				
Jianglu Machinery & Electronics Group	Powder metallurgy	(joint venture?)	http://www.xtjlp.com/	http://en.norincogroup.com.cn/html/2012/memberunit_0320/37.html
Jianglu Industrial Development Co., Ltd. (湖南江麓实业发展有限公司)				
Jianglu Machinery & Electronics Group	Heavy Duty Equipment	Construction elevators, hoisting machinery, SXD09 tracked forest fire fighting vehicle, tracked high mobility rescue vehicle, tracked all-terrain vehicles,		http://www.jianglu.com.cn/company/jianglushiye fazhan youxiangongsi.htm
Hunan Jianglu Special Equipment Co., Ltd (湖南江麓特种装备有限公司)				
Jianglu Machinery & Electronics Group	Sales & after-sales	SXD09 tracked forest fire fighting vehicle, tracked high mobility rescue vehicle, tracked all-terrain vehicles		http://www.jianglu.com.cn/company/jianglutezhongdianqiyouxiangongsi.htm
SUBSIDIARY: Xiangtan Jianglu Import & Export Co., Ltd (湘潭江麓进出口有限公司)				
Jianglu Machinery & Electronics Group	Import/export Jianglu Group	Sales area: Germany, USA, Iran, Canada, France, Libya, India, UAE, Pakistan, Kuwait,...	http://www.jiangluieco.com/	http://www.jiangluieco.com/

22. MEMBER UNIT: Chongqing Tiema Industries Group Co. Ltd. (重庆铁马工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Heavy Duty Equipment / MSP / R&D	Special purpose trucks: "nearly 160 types of special-purpose trucks with payload ranging from 5t to 25t. and with drive mode of 4x2, 4x4, 6x4, 6x6, 8x4, 8x8." Armoured vehicles	http://www.tiemagroup.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=1
SUBSIDIARY: Chongqing Tiema Hotel (重庆铁马宾馆)				
Chongqing Tiema Industries Group				http://www.tiemagroup.com/class.asp?id=139&fid=35
SUBSIDIARY: Chongqing Tiema Forging Company (重庆铁马锻造有限公司)				
Chongqing Tiema Industries Group				http://www.tiemagroup.com/class.asp?id=138&fid=35
SUBSIDIARY: Chongqing Tiema Industries Group Stamping Branch (重庆铁马工业集团有限公司冲压分公司)				
Chongqing Tiema Industries Group				http://www.tiemagroup.com/class.asp?id=149&fid=35
SUBSIDIARY: Chongqing Tiema Special Purpose Vehicle Co., Ltd (重庆铁马专用车有限公司)				
Chongqing Tiema Industries Group				http://www.tiemagroup.com/class.asp?id=136&fid=35

23. MEMBER UNIT: Hubei Jiangshan Heavy Industries Co. Ltd. (湖北江山重工有限责任公司)

Details other Owners	Type of Work	Details		Source
CNGC	Heavy Duty Equipment	Special purpose vehicles, gearboxes, CNC equipment, hydraulic systems, etc.	http://www.jszgj.net/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=16

24. MEMBER UNIT: Wuhan Heavy Duty Machine Tool Group Corporation (武汉重型机床集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Heavy Duty Equipment / MSP	"Super heavy duty vertical lathe machines, horizontal lathe machines, wheel lathe machines, horizontal machining centres, gantry milling and boring machines, gear hobbing machines, rotary tables and a variety of special machinery and equipments." In general for different sectors inc. military	http://www.whhdm.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=216

25. MEMBER UNIT: Beiben Trucks Group Co. Ltd. (北奔重型汽车集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC, Firmaco, China Huarong Assets Management Company, Chongqing Tiema Company (Group), Baotou Stated-owned Industrial Assets Limited Company and Shandong Xiaofeng Industry Limited Company.	Heavy Duty Equipment	heavy-duty truck manufacturer Note: Also North-Benz heavy-Duty Truck Co. Ltd (Joint Venture with DailmerChrysler)# and Batou North Benz Heavy Automobile CoLtd (North-Benz) Joint venture with Mercedes-Benz# and Bei Ben Heavy Automobile Co Ltd (or is this part of the above ?)	http://www.beiben.cn/ http://www.beibentrucks.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=217
Subsidiary: North-Benz Coach Manufacture (Yantai) Co., Ltd				
				http://www.chinabuses.com/english/manufacturer/northbenz.htm
JOINT VENTURE: Baotou North-Benz Heavy-Duty Truck Co., Ltd (包头北方奔驰重型汽车有限责任公司)				
?? Baotou Beiben Heavy-Duty Truck Co. Ltd. (包头市北奔重型汽车配件有限公司)				
	Mercedes Benz and Deutz parts and components	Note: Compare to www.bbzkw.com/ http://www.chinabeiben.com	http://www.benzpeijian.cn/	
JOINT VENTURE in Chongqing between German ZF & BeiBen				
				http://www.motorlink.cn/html/marketInfo/20130131/1000013c6c274a08-1-2-7.html
?? Beiben Truck Accessories Authorized Dealer				
			http://www.bbzkpj.com/	
?? Baotou Lulu Beiben Heavy Truck Trade Co., Ltd. (包头鹿鹿北奔重卡汽车贸易有限公司)				
			http://www.bbzkw.com/	

26. MEMBER UNIT: Jinxi Industries Group Co. Ltd. (晋西工业集团有限责任公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.jxgc.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=19

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Jinxi Axle Co. Ltd. (晋西车轴股份有限公司)				
Jinxi Industries	Civilian	(Listed company) Railway equipment	www.jinxiagle.com	http://www.jxgc.com/Web_About/Company.aspx?CatalogId=38 http://www.norincogroup.com.cn/cn/stock.aspx?id=9 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=9
SUBSIDIARY: 晋西集团技术中心				
Jinxi Industries				http://www.jxgc.com/Web_About/Company.aspx?CatalogId=60
SUBSIDIARY: Shanxi Jiang Yang Chemical Co., Ltd. (山西江阳化工有限公司)				
Jinxi Industries				http://www.jxgc.com/Web_About/Company.aspx?CatalogId=40 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=20
SUBSIDIARY: 山西利民工业有限责任公司 (same as ??? 山西利民机械有限责任公司 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=24)				
Jinxi Industries				http://www.jxgc.com/Web_About/Company.aspx?CatalogId=41
SUBSIDIARY: 河北第二机械工业有限公司 (same as ??? 河北太行机械工业有限公司 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=3)				
Jinxi Industries				http://www.jxgc.com/Web_About/Company.aspx?CatalogId=39
SUBSIDIARY: 山西春雷铜材有限责任公司				
Jinxi Industries				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=25 http://www.jxgc.com/Web_About/Company.aspx?CatalogId=58
SUBSIDIARY: 太原晋西春雷铜业有限公司				
Jinxi Industries				http://www.jxgc.com/Web_About/Company.aspx?CatalogId=59

27. MEMBER UNIT: Yuxi Industrial Group Co. Ltd / Western Henan Industrial Group Co. Ltd. (豫西工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC		(note: subsidiaries in this txt) 豫西集团是国家二级计量单位、二级理化机构、安全质量标准化一级企业，具有进出口经营权，总部位于南阳市高新区，现有军品分公司、北京理工大学?豫西高新装备技术研发中心、中南地区退役弹药拆分利用销毁中心、国防工业区域计量站、北京办事处5个直属单位；河南江河机械责任有限公司、河南中南工业有限责任公司2个全资子公司；中南钻石股份有限责任公司、郑州红宇专用汽车有限责任公司、南阳北方向东工业有限公司、南阳北方红宇机电制造有限公司、南阳市红阳锻造有限公司、南阳红阳工程机械有限公司6个控股子公司，下属二级、三级子公司分布于郑州、南阳、鲁山、南召、方城、中牟、深圳、江西、连云港等地，拥有职工8000余人，各类设备12000余台（套）。2013年实现销售收入42.28亿元，利润4.35亿元。 http://www.norincogroup.com.cn/cn/stock.aspx?id=11	http://www.yxgyjt.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=208
SUBSIDIARY: 湖南江南红箭股份有限公司				
Western Henan		(Listed company)	http://www.jnmgcl.com.cn	http://www.norincogroup.com.cn/cn/stock.aspx?id=11 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=42 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=11
SUBSIDIARY: Henan Zhongnan Industrial Co (河南中南工业有限责任公司)				
Western Henan Industrial Group				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=208 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=39

28. MEMBER UNIT: Liaoshen Industrial Group Co. Ltd. (辽沈工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.dongji.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=207 ; http://www.cngcyx.com/co.asp?id=1159

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Liaoning Shenyang Copper Company (辽沈铜业公司)				
Liaoshen Industrial Group	Copper production	Copper materials for electronic appliances, automotive industry, etc.		http://www.dongji.cn/News_Show.asp?id=97
SUBSIDIARY: Liaoning Shenyang Industrial Group Co., Ltd. (Calibration and Testing Center) [辽沈工业集团有限公司 (校准检测中心)]				
Liaoshen Industrial Group	Material testing	Calibration, physical and chemical analysis.		http://www.dongji.cn/News_Show.asp?id=98
SUBSIDIARY: Defense Industry 2111 Calibration Institute (国防科技工业2111二级计量站)				
Liaoshen Industrial Group	Calibration			http://www.dongji.cn/News_Show.asp?id=99
JOINT VENTURE: Shenyang Automotive Air Conditioning Co., Ltd. (沈阳三电汽车空调有限公司)				
Liaoshen Industrial Group and Japanese companies		Air conditioning for cars.		
JOINT VENTURE: Shenyang Logistics Limited (沈阳中兵物流有限公司)				
Liaoshen Industrial Group and China Ordins Group	Logistics			http://www.dongji.cn/News_Show.asp?id=101
JOINT VENTURE: Pacific Can (Qingdao) Co., Ltd. (太平洋制罐 (青岛) 有限公司)				
Liaoshen Industrial Group, Pacific Can (Hong Kong) and Pacific Can Liaoning	Manufacture aluminium cans			http://www.dongji.cn/News_Show.asp?id=102
JOINT VENTURE: Pacific Can (Shenyang) Co., Ltd (太平洋制罐 (沈阳) 有限公司)				
				http://www.dongji.cn/News_Show.asp?id=103
SUBSIDIARY: First Machinery Plant (第一机械厂)				
Liaoshen Industrial Group	Petroleum machinery equipment			http://www.dongji.cn/News_Show.asp?id=104
JOINT VENTURE: Shenyang Beidayang Seafood Market Management Limited (沈阳北大营海鲜市场管理有限公司)				
Liaoshen Industrial Group and Long Feng Industrial Co., Ltd				http://www.dongji.cn/News_Show.asp?id=134

29. MEMBER UNIT: Huaihai Industry Group Co. Ltd. (淮海工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.hgyjt.com.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=205
SUBSIDIARY: Shanxi Huaihai Electrical Co., Ltd. (山西淮海机电有限公司)				
Huaihai Industry Group Co. Ltd.			http://www.sxhuaihai.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=205 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=23

30. MEMBER UNIT: Northwest Industries Group Co. Ltd. (西北工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.xibeigongye.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=198

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Xi'an Dongfang Electric (Group) Co., Ltd (西安东方机电(集团)有限公司是) / formerly Xi'an Orient Group Co., Ltd (西安东方集团有限公司)				
Northwest Industries Group			http://www.dfjyhm.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=198 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=70 ; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=31460&type=8
SUBSIDIARY: Xi'an Huashan North Electrical Co. Ltd. (西安北方华山机电有限公司)				
Northwest Industries Group			http://www.xahuashan.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=198 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=71
SUBSIDIARY: Xi'an North Fangqin Chuan Group Ltd (西安北方秦川集团有限公司)				
Northwest Industries Group			http://www.xabfqc.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=198 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=72
SUBSIDIARY: Northern Electrical Co., Ltd., Lanzhou (兰州北方机电有限公司)				
Northwest Industries Group			http://www.lz7323.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=198 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=170 http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=27893&type=79

31. MEMBER UNIT: Northeast Industries Group Co. Ltd. (东北工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.dgjt.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=204
SUBSIDIARY: Jilin Light Group Ltd. (吉林东光集团有限公司)				
Northeast Industries Group		"two branches, two wholly owned subsidiaries, three subsidiaries, an equity affiliates"	http://www.dgjt.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=204 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=60
SUBSIDIARY: Jilin Jiangbei Machinery Manufacturing Co., Ltd (吉林市江北机械制造有限公司)				
Northeast Industries Group				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=204 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=31
SUBSIDIARY: Changchun Light Group				
Northeast Industries Group		7 subsidiaries		http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=204

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Changchun Yidong Clutch Co., Ltd. (长春一东离合器股份有限公司)				
Northeast Industries Group	Automotive clutches	(Listed company)	http://www.ccyd.com.cn/	http://www.ccyd.com.cn/ ; http://www.norincogroup.com.cn/cn/stock.aspx?id=4 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=4

32. MEMBER UNIT: North Hu'an Industry Group Co. Ltd. (北方华安工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.huaan-group.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=214
SUBSIDIARY: Heilongjiang Hua Machinery Co., Ltd (黑龙江华安机械有限责任公司)				
North Hu'an Industry Group			http://www.huaanjx.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=214 http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=33
SUBSIDIARY: Qiqihar Jianhua Machinery Co., Ltd (齐齐哈尔建华机械有限公司)				
North Hu'an Industry Group				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=214

33. MEMBER UNIT: Jiangnan Industries Group Co. Ltd. (江南工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.jnmgcl.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=42
SUBSIDIARY: Xiangtan Jiangnan Industrial Group Co., Ltd. (湘潭江南工业集团有限公司)				
Jiangnan Industries Group	Machinery manufacturing			http://www.jnmgcl.com.cn/member/member1.htm
SUBSIDIARY: Hunan Jiangnan Red Arrow Co. (湖南江南红箭股份有限公司)				
Jiangnan Industries Group				http://www.jnmgcl.com.cn/member/member2.htm
SUBSIDIARY: Silver Arrow Southern New Energy Equipment Company (江南银箭新能源装备公司)				
Jiangnan Industries Group				http://www.jnmgcl.com.cn/member/member3.htm
SUBSIDIARY: (中南物资公司)				
Jiangnan Industries Group				http://www.jnmgcl.com.cn/member/member4.htm
SUBSIDIARY: Hunan Jiangnan Machine Industry Co., Ltd. (湖南江南机器实业有限公司)				
Jiangnan Industries Group	Machinery manufacturing			http://www.jnmgcl.com.cn/member/member5.htm
SUBSIDIARY: Hunan Jiangnan Automobile Manufacturing Co., Ltd. (湖南江南汽车制造有限公司)				
Jiangnan Industries Group	Automobile parts			http://www.jnmgcl.com.cn/member/member6.htm

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Hunan Industry Polytechnic Institute of Technology (湖南科技工业职业技术学院)				
Jiangnan Industries Group				http://www.jnmgcl.com.cn/member/member7.htm
Zotye Holding Group Co., Ltd. (众泰控股集团有限公司)				
	Automobile manufacturing	Manufactures Fiat ?	http://www.zotye.com/ http://www.zotyeglobal.com	http://www.jnmgcl.com.cn/products
Chengdu Galaxy Power Co. Ltd. (成都银河动力有限公司)				
Hunan Jiangnan Red Arrow Co. (?)	Automobile parts		http://www.yhdle.com/	http://www.jnmgcl.com.cn/products ; http://www.yhdle.com/about.aspx?mid=17
Shanghai Jinshan Galaxy Power Cylinder Co. (上海银河动力金山缸套有限公司)				
Chengdu Galaxy Power Co. Ltd.				http://www.yhdle.com/about.aspx?mid=327&sid=
Chengdu Kingdom Commerce Co. Ltd (成都银动商贸有限公司)				
Chengdu Galaxy Power Co. Ltd.				http://www.yhdle.com/about.aspx?mid=327&sid=

34. MEMBER UNIT: Shandong Special Industry Group Co. Ltd. (山东特种工业集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.sdjq.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=203
SUBSIDIARY: Shandong North Explosive Materials Co., Ltd. (山东北方民爆器材有限公司)				
Shandong Special Industry Group	Energetic Materials	Explosives (Shaped charges, seismic charges...)	http://bfmb.sdjq.com.cn/	http://www.sdjq.com.cn
SUBSIDIARY: Zibo North Machinery Manufacture Co.,Ltd. (淄博北方机器制造有限公司)				
Shandong Special Industry Group		Mining machinery, transmission parts	http://bfjq.sdjq.com.cn/	http://www.sdjq.com.cn
SUBSIDIARY: Shandong Magnesium & Aluminum Scientific Co.,Ltd. (山东山机镁铝科技有限公司)				
Shandong Special Industry Group		Engine parts, heavy duty truck parts....	http://www.sdjq.com.cn/Category_56/Index.aspx	http://www.sdjq.com.cn
SUBSIDIARY: Shandong Machinery Factory (机械厂)				
Shandong Special Industry Group		Mining machinery parts	http://jxc.sdjq.com.cn/	http://www.sdjq.com.cn
SUBSIDIARY: Shandong Machining Plant (机加厂)				
Shandong Special Industry Group		Automobile parts, mining machinery	http://jjc.sdjq.com.cn/	http://www.sdjq.com.cn
SUBSIDIARY: Forging Branch (冲锻分公司)				
Shandong Special Industry Group		Automobile parts	http://cdc.sdjq.com.cn/	http://www.sdjq.com.cn
SUBSIDIARY: Zibo North Pressure Vessel Manufacture Co.,Ltd. (淄博北方压力容器制造有限公司)				
Shandong Special Industry Group		Welding products, pressure vessels	http://bfyl.sdjq.com.cn/jianjie.html	http://www.sdjq.com.cn

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Trailer Axle Branch (车轴分公司)				
Shandong Special Industry Group		Automobile parts	http://czfgs.sdjq.com.cn/jianjie.html	http://www.sdjq.com.cn
SUBSIDIARY: Zibo North Fengshan Wood Product Co.,Ltd.				
Shandong Special Industry Group				http://www.sdjq.com.cn/Category_211/Index.aspx
SUBSIDIARY: Shandong Northern Electrical Co., Ltd. (山东北方机电有限公司)				
Shandong Special Industry Group	Energetic materials,	Shaped charges,	http://www.bfjd.com.cn/jianjie.htm	http://www.sdjq.com.cn
SUBSIDIARY: Xinjiang Taian perforating machine factory (新疆燎原机器厂泰安射孔弹厂)				
Shandong Northern Electrical		Shell casings,...	http://www.bfjd.com.cn/xs.htm	http://www.bfjd.com.cn/xs.htm
SUBSIDIARY: Xinjiang Yanxing Liaoyuan Machinery Manufacturing Co., Ltd. (新疆燎原燕兴机械制造有限公司)				
Shandong Northern Electrical			http://www.bfjd.com.cn/xs2.htm	http://www.bfjd.com.cn/xs.htm
JOINT VENTURE: Shandong North Haitai New Materials Co., Ltd. (山东北方海泰新材料有限公司)				
Shandong Northern Electrical		Metal injection molding	http://www.bfjd.com.cn/xs4.htm	http://www.bfjd.com.cn/xs.htm
SUBSIDIARY: Shandong Jinzhu Powder Injection Ltd. (山东金珠粉末注射有限公司)				
Shandong Northern Electrical			http://www.bfjd.com.cn/xs6.htm	http://www.bfjd.com.cn/xs.htm

35. MEMBER UNIT: North Huajin Chemical Industry Group Co., Ltd. (北方华锦化学工业集团有限公司) / Liaoning Huajin Chemicals Group Corporation (辽宁华锦化工(集团)有限责任公司)

Details other Owners	Type of Work	Details		Source
CNGC	Chemical engineering	(Listed company) Fertilizers and synthetic resin.	http://www.huajinchem.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=195; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=58; http://www.huajinchem.com/aboutus.php?classid=2; http://www.norincogroup.com.cn/cn/stock.aspx?id=1 http://www.norincogroup.com.cn/cn/stockpri.aspx?id=1
SUBSIDIARY: Panjin Northern Asphalt Co., Ltd. (盘锦北方沥青股份有限公司)				
North Huajin Chemical Industries Group Corporation	Asphalt production & sale.		http://www.northernasphalt.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=174; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=28393&type=79; http://www.norincogroup.com.cn/cn/newsdetail.aspx?id=23676&type=79; http://www.huajinchem.com/aboutus.php?classid=2
SUBSIDIARY: LIAO TUNG Chemical				
North Huajin Chemical Industries Group Corporation				http://www.huajinchem.com/aboutus.php?classid=2

36. MEMBER UNIT: China Ordnance Industry Planning and Research Institute (中国兵器工业规划研究院)

Details other Owners	Type of Work	Details		Source
CNGC	Strategic planning MSP/civilian	Strategic planning & policy research; Pre-feasibility studies of MSP/civilian investment projects; Defence mobilization, economic mobilization; Market forecasting, investment analysis,...; Engineering and design; Bidding agency.	http://www.bqgghy.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=106
AFFILIATED: Defence Industry Mobilization Research Centre (国防工业动员研究中心)				
				http://www.bqgghy.com/college-intro.php?cid=6
AFFILIATED: Defence industry civilian blasting equipment engineering and technical consulting centre (国防工业民用爆破器材工程技术咨询中心)				
				http://www.bqgghy.com/college-intro.php?cid=6
AFFILIATED: China North Industries Strategic Research Centre (中国兵器工业战略研究中心)				
				http://www.bqgghy.com/college-intro.php?cid=6
AFFILIATED: China North Industries Financial Audit Research Centre (中国兵器工业财务审计研究中心)				
				http://www.bqgghy.com/college-intro.php?cid=6

37. MEMBER UNIT: China Ordnance Industry Information Center (中国兵器工业信息中心)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.northic.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=103

38. MEMBER UNIT: China Wuzhou Engineering Group (中国五洲工程设计集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Construction	consulting, engineering, surveying, design, construction supervision and project management, turn-key projects	http://www.wuzhou.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=202

39. MEMBER UNIT: Northern Engineering Design & Research Institute Co., Ltd. (北方工程设计研究院有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.norendar.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=196

Details other Owners	Type of Work	Details		Source
SUBSIDIARY: Northern Design Institute (北方设计研究院)				
Northern Engineering Design & Research Institute Co., Ltd.			http://www.norindar.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=196 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=157
SUBSIDIARY: China Ordnance Survey and Design Institute of the North (中国兵器工业北方勘察设计研究院)				
Northern Engineering Design & Research Institute Co., Ltd.			http://www.big-cn.com.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=196 ; http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=105

40. MEMBER UNIT: Norinco Group Test and Measuring Institute (中国兵器工业试验测试研究院)

Details other Owners	Type of Work	Details		Source
CNGC	Testing	Weapons testing	http://www.051jd.com/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=108

41. MEMBER UNIT: Weapons Talent School (兵器人才学院)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.nhrdc.cn/	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=185

42. MEMBER UNIT: China Ordnance Society (中国兵工学会)

Details other Owners	Type of Work	Details		Source
CNGC	Publishing	Journals: Ordnance Journal; Defence Technology; Acta Armamentarii; Ordnance Knowledge; Metal Forming Technology; Packaging Engineering; Journal of Applied Optics; Surface Technology; Ordnance Material Science and Engineering; Engineering Plastics Application; Journal of Detection & Control; Optical Technique; Explosive Materials; Vehicle & Power Technology; Journal of Ballistics; Journal of Projectiles, Rockets, Missiles & Guidance;	http://www.cos.org.cn www.dt22149147.com http://118.145.16.231/jweb_bgxb/CN/volumn/home.shtml	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=160

43. MEMBER UNIT: China Command & Control Society (中国指挥与控制学会)

Details other Owners	Type of Work	Details		Source
CNGC	Think-tank C4ISR	Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance Journals: - Aerospace Control (航天控制) - Modern Defence Technology (现代防御技术) - Command Information System and Technology (指挥信息系统与技术) - Electronics, Optics and Control (电光与控制) - Command Control & Simulation (指挥控制与仿真)	http://www.c2.org.cn	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=218

44. MEMBER UNIT: Northern Realty Management Group Ltd. (北方置业管理集团有限公司)

Details other Owners	Type of Work	Details		Source
CNGC				http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=200
?? Ordnance Industry Service Center (兵器工业机关服务中心)				
			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=184	http://www.yingjiesheng.com/job-001-641-433.html
?? 兵器工业卫生研究所				
				http://www.yingjiesheng.com/job-001-641-433.html
?? Ordnance Industry Beijing North Hospital (兵器工业北京北方医院)				
			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=159	http://www.yingjiesheng.com/job-001-641-433.html
?? Ordnance Industry Kunming Sanatorium (兵器工业昆明疗养院)				
			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=158	http://www.yingjiesheng.com/job-001-641-433.html
?? Northern Real Estate Development Company (北方房地产开发公司)				
			http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=156	http://www.yingjiesheng.com/job-001-641-433.html

45. MEMBER UNIT: Northern Development Investment Co. Ltd. (北方发展投资有限公司)

Details other Owners	Type of Work	Details		Source
CNGC			http://www.northinvestxa.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=215

46. MEMBER UNIT: Beijing North Energy Conservation and Environment Protection Co. Ltd. (北京北方节能环保有限公司)

Details other Owners	Type of Work	Details		Source
CNGC	Engineering	Environmental management	http://www.cngce.com	http://www.norincogroup.com.cn/cn/memberdetail.aspx?id=201