

JANUARY 2017

ABB Xi'an Power Capacitor Co., Ltd.

Let's Write the Future. Together.

Speaker, position

ABB in simple terms

A pioneering technology leader

What <i>(Offering)</i>	Pioneering technology			
	Products 59%	Systems 24%	Services & software 17%	
For whom <i>(Customers)</i>	Utilities	Industry	Transport & Infrastructure	
	~35% of revenue	~40% of revenue	~25% of revenue	
Where <i>(Geographies)</i>		Globally		
	Asia, Middle East, Africa 37%	Americas 30%	Europe 33%	
	~\$35 bn revenue	~100 countries	~135,000 employees	

ABB capacitors & filters

Focus on technology knowhow & customer needs



ABB Xi'an Power Capacitor

Local development for China and the world

Global feeder factory



- Whole voltage products
- ABB Technology Center for Power Capacitors
- ABB power quality center
- about 170 people & Area: 11,664m2
- Installed capacity: 45,000Mvar
- Test lab TUV certified
- Facility ISO9001, ISO14001, OHSAS18001 certified

World class facilities

- Accumulated over 10 years manufacture / test experience from ABB's HV capacitor industry
- Advance producing principle to shorten manufacture period and improve production loading



- SAP system and Office 365 system, smart phone communication tools
- PLM, design documentary management system
- ABB SQP supplier auditing system
- BARCODE- production barcode management system



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Customer needs along whole power energy value chain





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Solutions for all voltage levels and segments

Meet different customer needs



Services Installation and test, spare parts, maintenance and on-site service, training, etc. Accessories The range of high quality accessories for capacitor applications

New technologies enhance competitiveness by serving local needs

ABB software	Local innovation	R&D capability	Technology acknowledgment
 3 fuse configuration , include internal fuse, external fuse and fuseless First originating / most advanced technology of internal fuse 	 Provide technical, R&D support to local market needs, covering production, engineering, quality and raw materials etc. Continuously investment to develop new product , power quality solution to local markets 	 Global R&D center in Sweden R&D center of power product in China Technical center of capacitor in Xi'an 	 International patented certificates for compact capacitor installation, safety discharging installation of capacitor and one new type capacitor installation Gain national level technology and product certificate



Steady growth & continuous improvement

Localization milestones



Support national power grid construction UHV, HVAC/DC projects

SGCC projects

- Three Gorges-Guangdong±500kV HVDC
- Guizhou-Guangdong±500kVHVDC , Y2002(I), Y2005(II)
- Three Gorges-Shanghai±500kV HVDC
- Northwest-Central China DC net link
- Jinping-Sunan±800kVUHVDC
- Huainan-Shanghai 1000kV UHVAC
- Hami-Zhengzhou±800kVUHVDC
- Xiluodu-Zhexi±800kVUHVDC
- Qinghai-Tibet±400kV HVDC
- Ximeng-Shandong 1000kV UHVAC
- 1000kV Mengxi- Southern Tianjin
- ±800kV Jinbei-Nanjing UHVDC
- ±800kV Shanghaimiao-Shandong UHVDC
- ±1100kV Changji-Guquan UHVDC
- 1000kV Ximeng-Shengli UHVAC



CSG projects

- Yunnan-Guangdong ±800kV UHVDC
- Nuo zhadu-Guangdong ±800kV UHVDC
- Yunnan-Guangxi HVDC
- Yunnan Yongren-Funing±500kV HVDC
- Dian Xibei-Guangdong ±800kV UHVDC

Support national power grid construction Series projects



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Support national power grid construction 750 kV HVAC projects



Devote to improve power quality A complete program with complete support

Tailor made solution



Case1 Baiyin Lead-Zinc Smelting Plant Project



- site measuring, and system modeling & simulation, and present initial proposal;
- Install over voltage protection device and into operation, no noise and over current declined, but not stable operation;
- analyzing the operation result to know the cause is harmonic amplification, and verified by system simulation, then guide to operation successfully

Case2 Malaysia Samalaju 275 kV project

- Provide customer with a full range of solution, includes: the analysis, calculation and simulation of system, the filter system design, the parameter determination, four sets of filter equipment, instruction and training for the site installation, test, commission and operation of filter bank.
- have been in operation and performed well.

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In China, for China and the world

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Xi'an ABB- Your reliable partner

Ready to serve China and a better world

