



DYNABOND
Powertech Service

**Our services for your HAF604
Certification in the Chinese Nuclear
Power Industry**

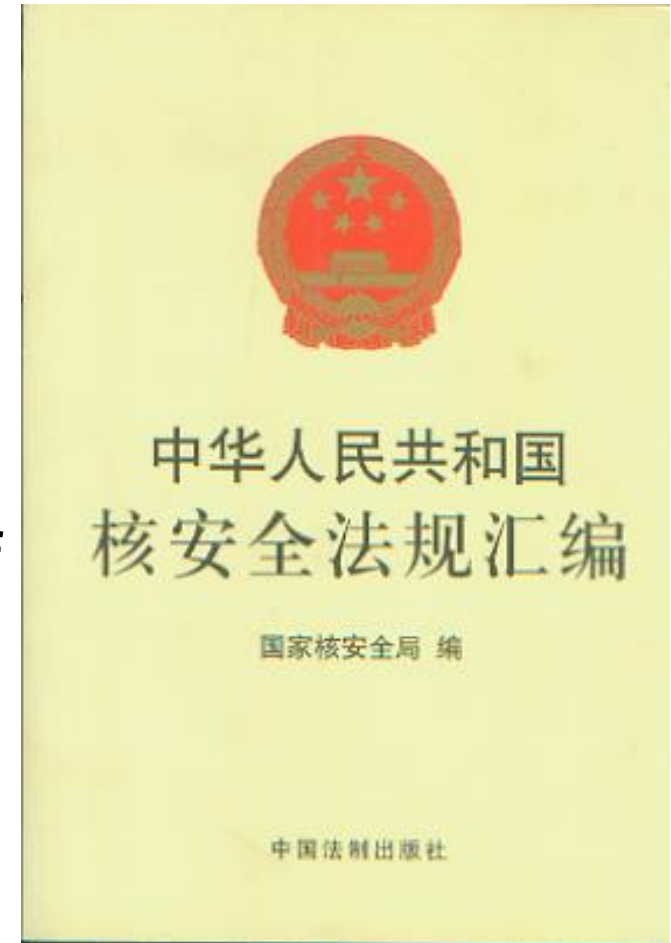
Contents

- Requirements for the HAF604
- The Market
- Our Skills
- Our Advantages
- Our Achievements



General Introduction

- Regulation on Imported Civilian Nuclear Safety-related Equipment (HAF604)
- Issued by NNSA (National Nuclear Safety Administration)
- Come into effect at the beginning of 2008
- One-year moratorium period



First group of Equipment

- **Any Mechanic Equipment** must be already certified by a foreign safety entity



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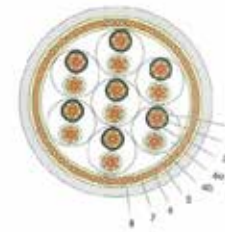
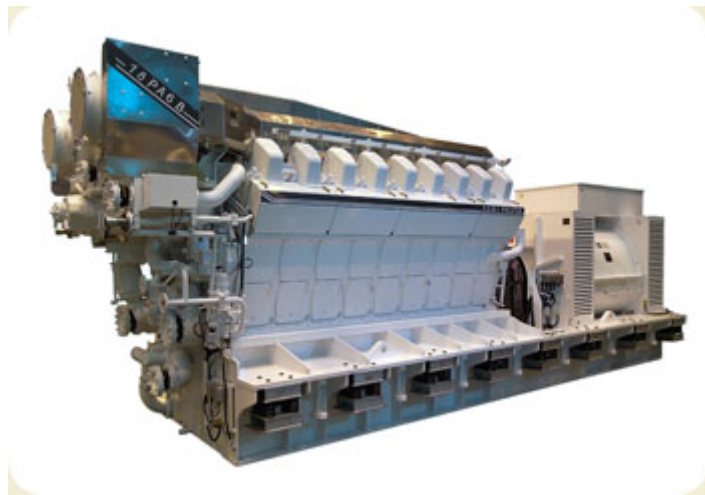
RCC 1,2, 3

ASME 1, 2, 3 Classified

Others (KTA, OTT...)

Second group of Equipment

- **Any Electric Equipment** face different situation depending on the technology, i.e. EDG for AP1000



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Regulated activities

Designing

Manufacturing

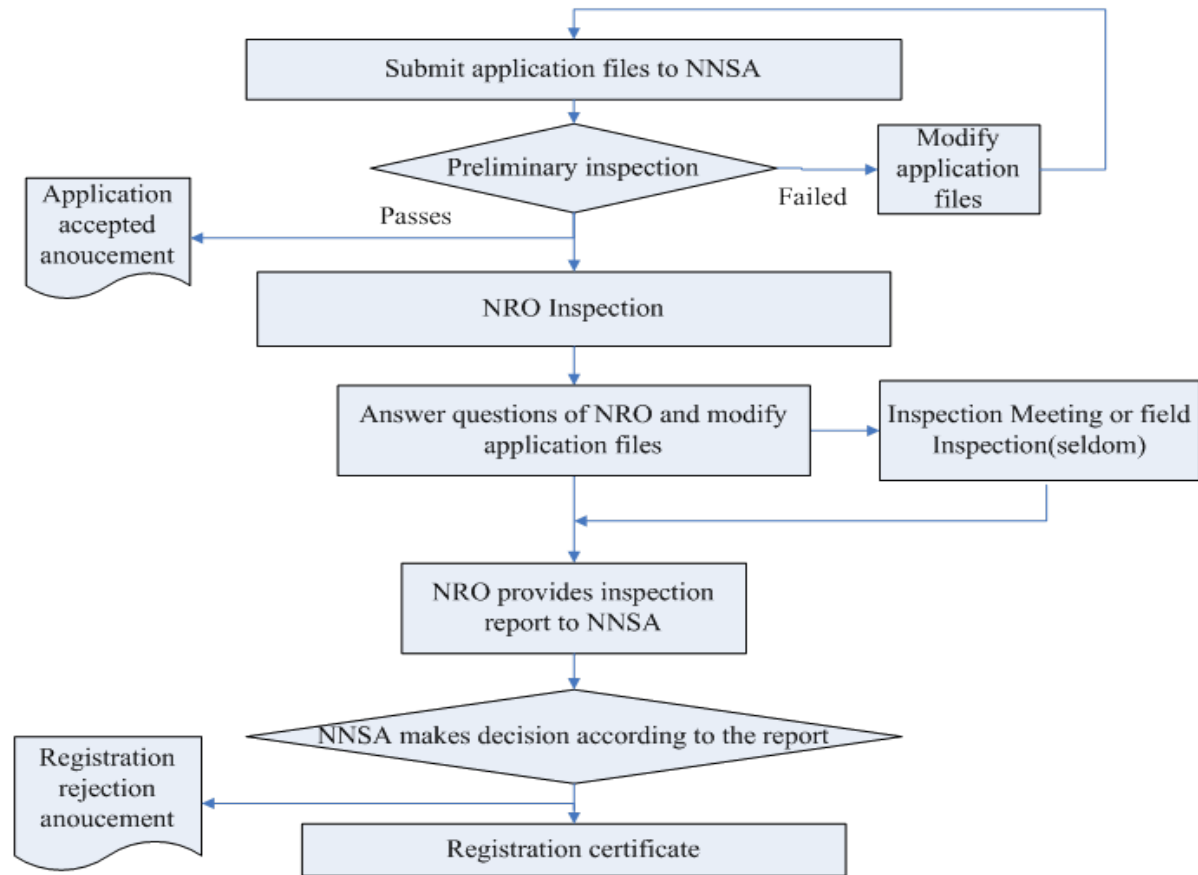
Installation*

Non-Destructive Test**

*Not necessary if this task is executed by a Chinese Engineering company

**Not necessary if it is part of the manufacturing process of the manufacturer.

Procedure



A **rejection** of the registration is mostly due to amateurish application

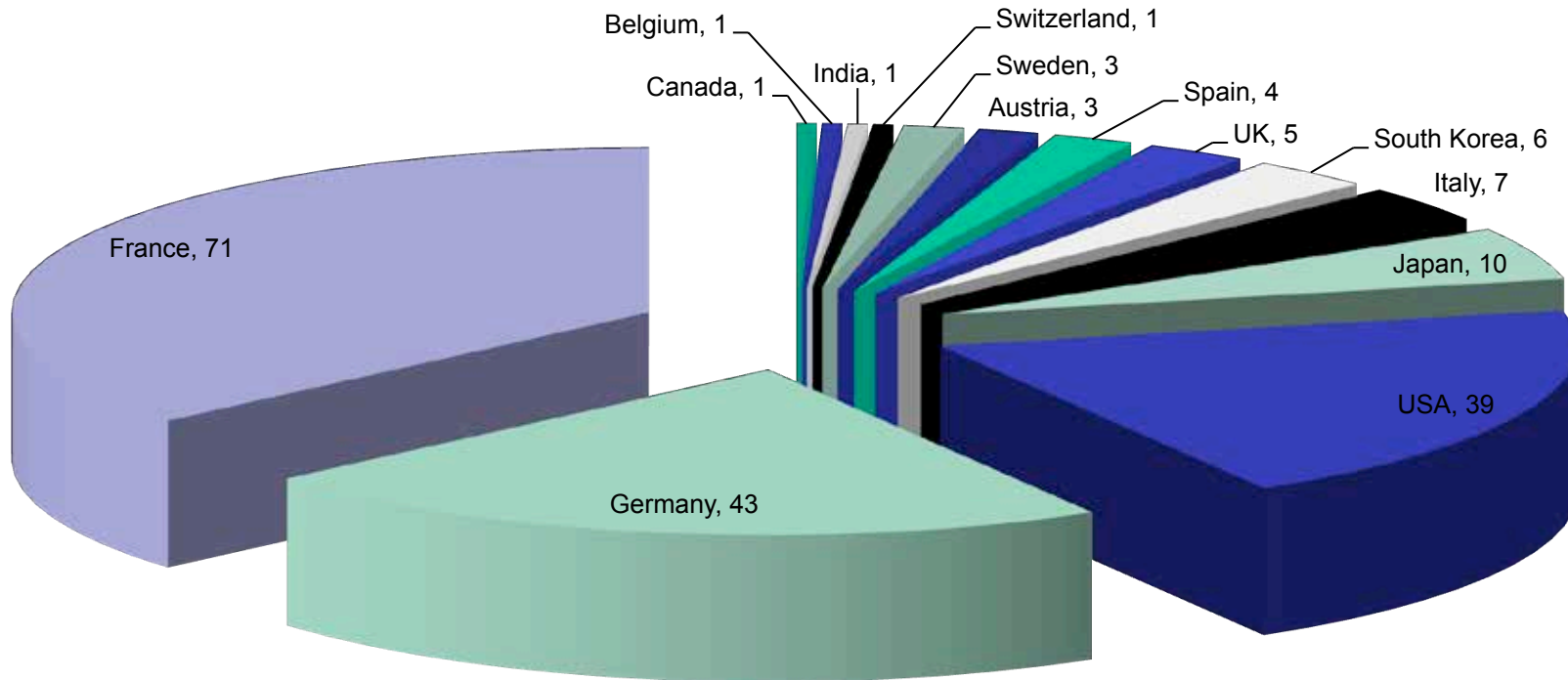
Required documents

- 1) A registration application form;
- 2) Business License;
- 3) Certifications;



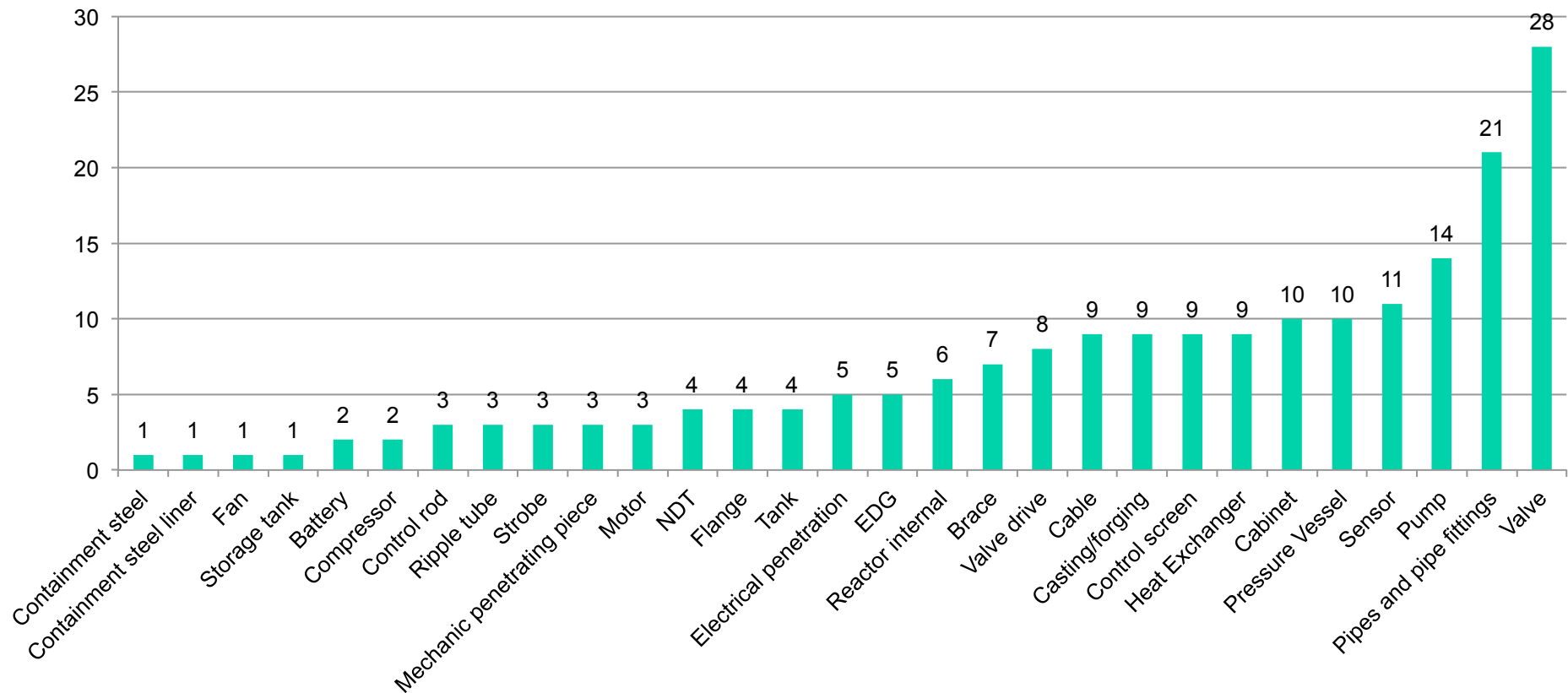
- 4) References;
- 5) Facility and staff profile; technology and standards used;
- 6) Quality Manual;
- 7) **Other documents.**

Actual Foreign Registration



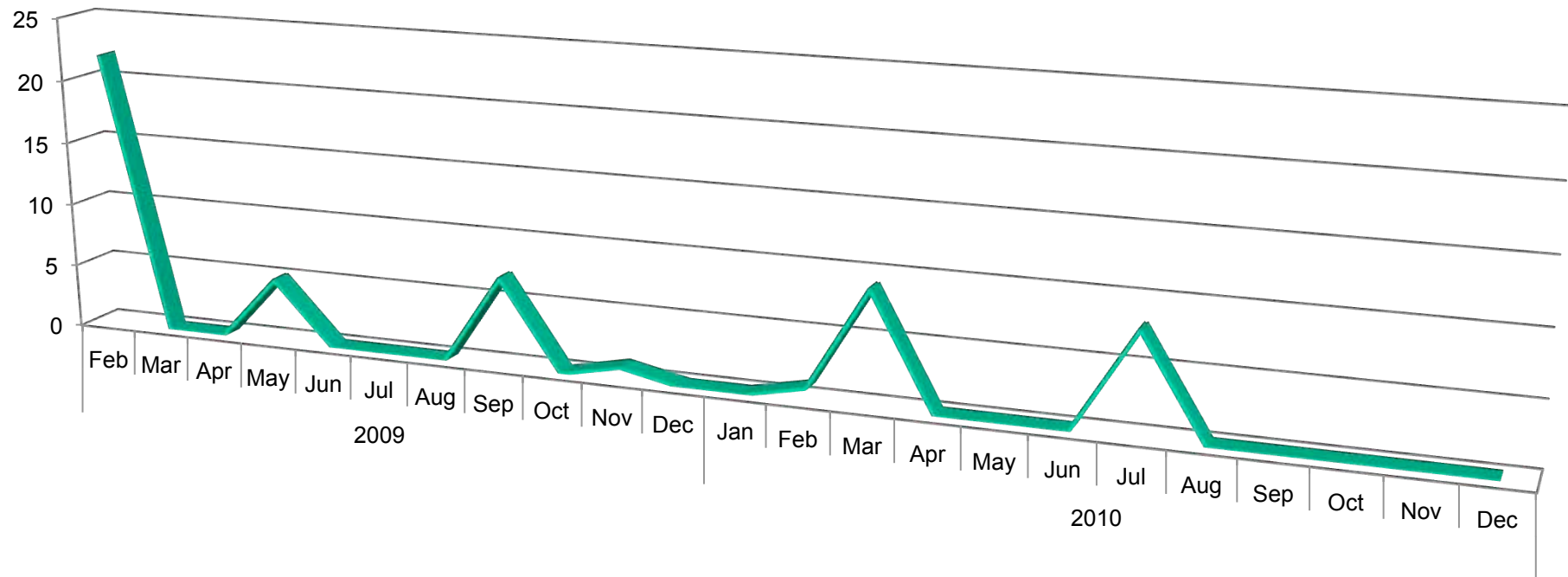
European companies control 67% of the market

Components registered in China



The Foreign Manufacturers face a tight market, only advanced technology is a key for late applicants

Certificates issued



The number of certifications depends on NNSA strategy

Our skills

- Registration strategy planning;
- Translation in Chinese of every document;
- Adjustment of the application according to NNSA needs;
- Analysis and consulting of NNSA remarks during the application review process;
- Communication with regulators and technicians.

Our Advantages

- All-around knowledge about HAF 604 and other related regulations;
- Access to the latest regulations and enforcement and others “non official” requirements from NNSA;
- Personal qualification on nuclear engineering and related subjects.
- Strong communication through our panel of experts.

Our Achievements (1)

- **MAN Diesel SAS :**
Limited time and critical requirements.



- **Phoenix Armaturen Werke Bregel GmbH :**
Standards issues.



- **Kabelwerk Eupen AG (Belgium):**
Electrical Cable



Our Achievements (2)

- **SCHOTT Electronic Packaging GmbH (Germany):** Electrical Penetration Assembly



- **Baumer Bourdon-Haenni S.A.S (France)** Temperature Switches

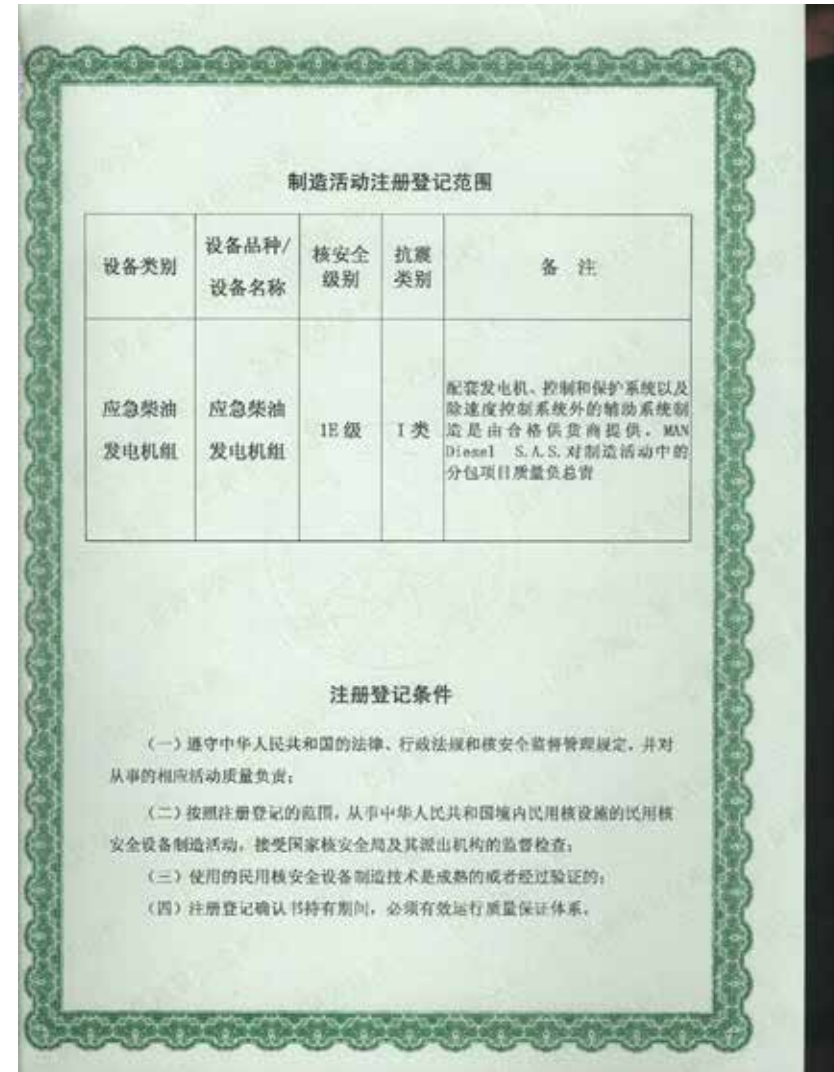


- **Hirata Valve Industry Co., Ltd (Japan)**

Valves



Our Achievements (3)



Contact

Arnaud Lefevre

Mob: +41(0) 765880966

Tel: +41(0265140517

Fax: +41(0265140516

Email: alefevre@dynabondpowertech.com

China Head Office : 1509 Zhongyu Plaza, A6 Gongti
North Road, Chaoyang District, 100027 Beijing PRC
北京市朝阳区工体北路甲6号中宇大厦1509室

[Http://www.dynabondpowertech.com](http://www.dynabondpowertech.com)