

China National Nuclear Corporation
Qualified Supplier Certificate

Certificate No.: CNNC-2300217R2M

Framatome GmbH

Entrusted by China National Nuclear Corporation (CNNC), after review and evaluation in accordance with the relevant regulations of qualified supplier evaluation, your company has been qualified to supply products (or services) to CNNC headquarter and its subordinate companies.

This certificate is applied to the following products (or services):

- 核电站安全仪器控制系统的研发、设计、制造、备件和技术服务；
Research & development, design, manufacture, spares supply and technical service of Safety I&C system in Nuclear Plants.
- 反应堆仪控系统（含堆芯监控系统、核仪表系统、棒控棒位指示系统）的研发、设计、制造、备件和技术服务；
Research & development, design, manufacture, spares supply and technical service of reactor I&C systems (including In-Core Monitoring and Control System, Nuclear Instrumentation System, Rod Positioning System and Rod Indication System).
- 核电厂 1E 级电源设备（应急柴油发电机组 / 发电机，蓄电池（组））的设计和技术服务；
Design, and technical service of NPP 1E Power Supply Equipment (EDG/Generator, Battery (Group));
- 核电厂 1E 级仪控系统机柜（仪控机架、机柜、仪控盘、台、屏、箱 / 后备盘、应急控制盘）、1E 级传感器（核测仪表）的设计、制造和技术服务；
Design, manufacturing, and technical services of NPP 1E Instrumentation and Control System Cabinets (I&C frame, cabinet, panel, table (or station), screen, box / back-up panel, emergency control panel) and 1E sensor (nuclear instrumentation);
- 氢气控制系统（如氢气氧气复合器、氢气监测系统）的设计、制造和技术服务；
Design, Manufacturing and Technical Services of H2 Control system (such as H2O2 Recombiner and H2 Monitoring System)
- 核电厂电气系统产品（含 RTB、UPS 电源系统、RAM、RAM 控制柜、控制棒驱动控制系统控制棒引导和保护柜）的研发、设计、制造（外包）和技术服务；
Research & development, design, manufacture (outsourced) and technical service of Electrical Systems Products in NPP: Reactor Trip Breakers (RTB), UPS Power Supply System, CRDM Power Supply System (RAM), RAM Control Cabinet, Rod Drive Digital Control System, Rod Pilot and Protection Cabinet;
- 核电厂安全壳系统（含被动式 H2 复合器、安全壳过滤通风系统、事故后取样系统、废物处理和监测系统）的研发、设计、制造（外包）和技术服务；
Research & development, design, manufacturing (outsourced) and technical service of Containment Systems in NPP: 1) Passive Autocatalytic (H2) Recombiners, 2) Filtered

Containment Venting System, 3) Post-Accident Sampling Systems, 4) Waste Treatment and Effluent Monitoring Systems;

- 安全壳大气监测系统的研发设计、制造和技术服务；
Research & development, design, manufacturing and technical services of Containment Atmosphere Monitoring Systems;
- 核电厂监测和诊断系统（含松动部件监测系统、振动监测系统、转机诊断系统、（内、外部）泄露探测系统、电动或螺杆驱动阀门驱动线监测、疲劳监测系统、乏燃料池液位测量系统、反应堆压力容器水位测量系统）的研发、制造、设计和技术服务；
Research & development, design, manufacture and technical service of NPP Monitoring & Diagnostic Systems: Loose Parts Monitoring System, Vibration Monitoring System, Diagnostic at Rotating Machinery, Leak Detection (internal and external), Valve and Drive monitoring at motor operated or solenoid valve, Fatigue Monitoring System, SFP level measurement, RPV level measurement;
- 1E 级电缆、1E 级电气贯穿件的设计；
Design of 1E cable and 1E electrical cable penetration;
- 核电站化学去污的咨询和技术服务以及成套解决方案的提供；
Complete solution, consulting and technical services for chemistry and decontamination in nuclear power plants;
- 核电站系统和设备的检查、维修、升级改造咨询和技术服务。
Consulting and technical services for inspection, maintenance & repair, modification of NPP system and components.

Register address: Paul-Gossen-Strasse 100, 91052 Erlangen, Germany

China Institute of Nuclear Industry Strategy Co., Ltd
Supplier Management Support Center

Issue date: 2023/04/28

Valid until: 2026/04/22*

Remark:

*: within the 3 years' validity, the supplier shall receive the supervision and evaluation at least once per year. If the conclusion is qualified, the certificate will be extended by another year. Otherwise, in case of disqualified conclusion, the certificate will become invalid. Please visit website

www.cnncc.com.cn to check the status of the qualified supplier certificate.