



# TAISHAN EPR NUCLEAR POWER PLANT

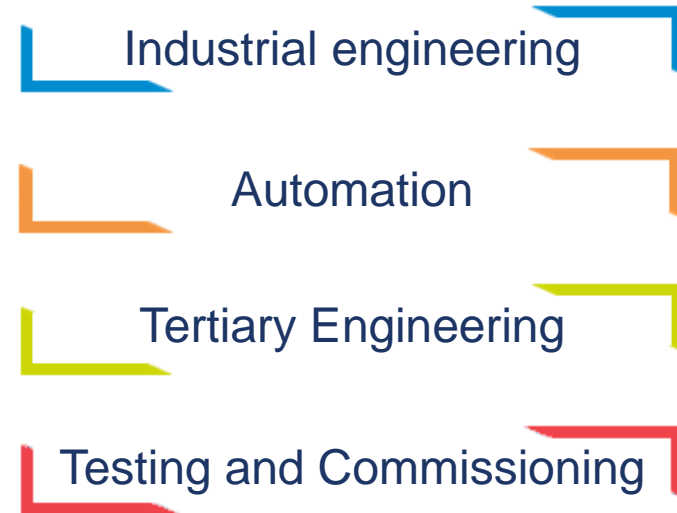
2015 - 2016

## Specificities

- 70 Black BOX validated and distributed over 45 suppliers
- Support of Startup, HVAC, Mechanical teams
- 4 languages for the same objective (French, English, Mandarin, German)
- First EPR in the world to come into operation

## Mission

- Control of all supplier documents (electrical diagram, operating and maintenance manuals, etc.) and the various chapters in Areva format (Ch 6 ~ 8).
- Correction of electrical diagrams and PLC programs (HMI / PLC)
- FAT: 65 Cabinets / electrical box for +1100 I / O on 15 PLCs
- Commissioning of auxiliary system units



### Customer chain

Ekium - Areva - CGNPC

### Sector

Nuclear

### Industry field

Black Box

### Project duration

12 month – 1900h

### Softwares / Skills

- Siemens Step7
- Schneider Twido soft
- Schneider Unity Pro

## Context

CGNPC is a Chinese public company responsible for energy management in the Guangdong region (southern China). Guangdong is a region that has experienced very strong economic growth for several years. In order to support the energy needs linked to this growth, an agreement to create an EPR was signed in November 2007 between CGNPC and Areva. Areva's challenge was to produce an EPR plant with all the technological and coordination challenges between the different suppliers and systems.

This challenge was also that of Ekium to which part of the management of the BBX (Black BOX) was delegated.

