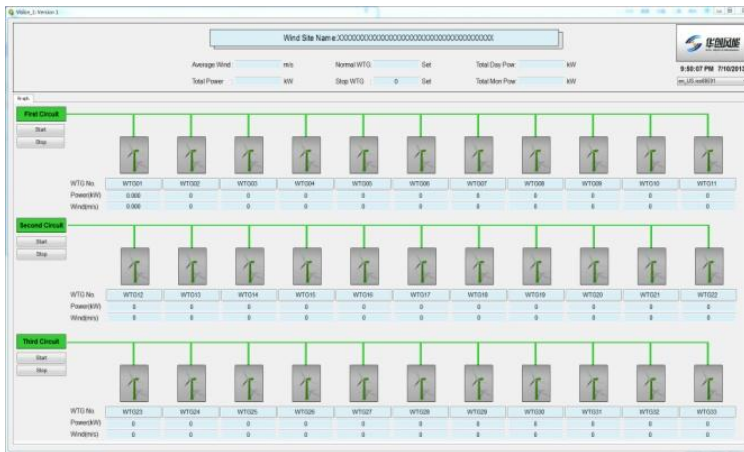
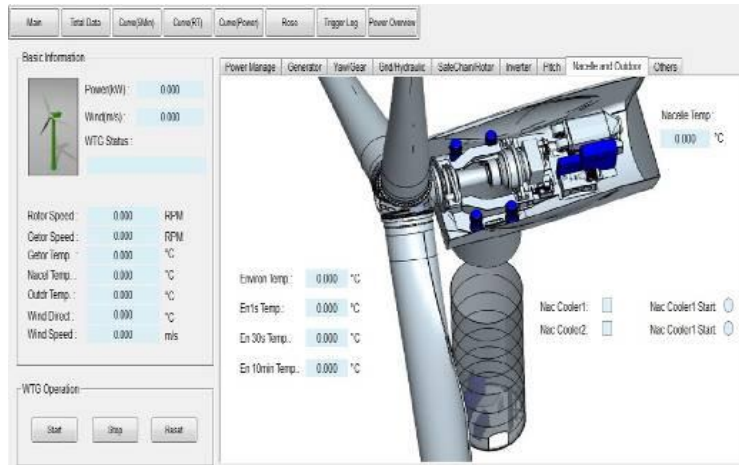


# Qingdao CCWE wind farm management SCADA #1 to #20



**Segment:** Wind Energy

**End user:** China Creative Wind Energy

**System integrator:** CCWE

**Realization date:** 2013~2015

## Requirements:

- Linked exactly 660 wind turbines as 20 wind farm units, 33 wind turbines of each
- Siemens embedded solution for wind turbine control system
- Remote access in system required

## Solution:

- Local control system: 660 sets IPC 427c with WinAC RTX installed for 660 wind turbines
- 11 WinCC OA wind servers with 2 standard user interface of each
- Process data is transferred from WinAC local control system to WinCC OA by using native S7 driver

## Benefits:

- The first Siemens Total Integrated Automation solution in China wind energy branch
- Good basis for customer to set up wind service portal for all wind farms

China Creative Wind Energy Co., Ltd. (CCWE) is one of the most competitive enterprises among wind power equipment manufacturing enterprises in China. CCWE is a very trustworthy brand in Chinese wind power industry.

