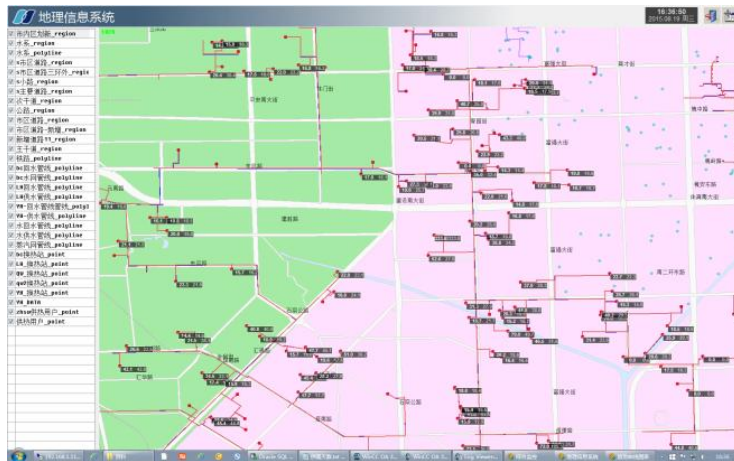
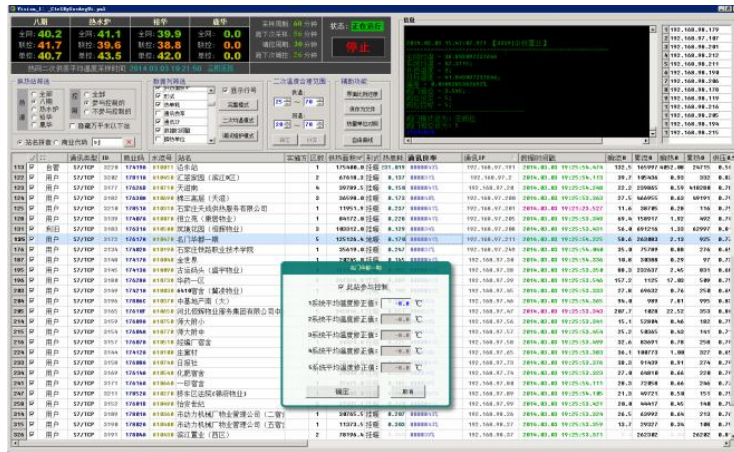


Largest city scale district heating application in Shi Jiazhuang



Segment: District Heating
End user: China Huadian Corporation
System integrator: TSCC
Realization date: 2014

Requirements:

- Connect about 1,850 heating stations within different city districts into a single supervisory system
- Redundancy for high reliability and availability in MCC, 2 distributed data connectors
- Animation control and 3D EWO required

Solution:

- 1 hot-standby redundant WinCC OA 40,000I/O server with 2 distributed nodes
- Transfer of process data from almost 1,850 S7-1200 to WinCC OA using S7 driver
- 20 Webclients, 4 UI
- Oracle database with RAC application
- GIS functionality development

Benefits:

- Whole network within one central location
- Ready to expand to over 2,000 heating stations in phase II

China Huadian Corporation is a wholly state-owned enterprise established at the end of 2002 with a registered capital of RMB 12 billion. CHD's main businesses are generation and supply of electricity and heat, development of power-related primary energy such as coal and supply of pertinent technological service.

