

# Petro China West-East Gas Pipeline SCADA



**Segment:** Gas Transport Network

**End user:** Petro China

**System integrator:** Cegelec

**Realization date:** 2006

*Natural Gas Pipeline transporting gas from western gas fields to high industrialized zones in the eastern part of China. Biggest pipeline project at that time Construction costs: about \$15 – \$18 US Billion Length: 4.400 km*

**Requirements:**

- Reliable SCADA system for distributed systems for 4,400km pipeline
- Both redundancy and disaster recovery center functionality
- OS Sun Solaris, FEP solution
- RDB Oracle development for large data storage

**Solution:**

- Main & Emergency Control Center — one in Beijing, another in Shanghai
- WinCC OA installed in 39 geographically distributed station control system
- SCADA ViewStar ICS is an OEM product from Cegelec based on WinCC OA

**Benefits:**

- The functionalities of ViewStar ICS are ideal for gas transport networks, especially Hot-Standby Redundancy and Distributed Systems
- Completely remote control/monitor concept in complex SCADA system

System architecture

