

The  
AutoLog<sup>®</sup>  
Family  
presents



## AutoLog<sup>®</sup> Success Story



We've got it under control  
Sophisticated Control Technology

Wonju, Kunsan, & Mokpo City Gas, South Korea



FF-AUTOMATION OY



## Description

AutoLog® RTUs are used in the three different city gas monitoring and control systems in Korea: Wonju, Kunsan and Mokpo.

These are separate but similar projects so these are presented in this one AutoLog® Success Story.

City Gas companies supply natural gas to commercial and residential customers. The pipeline monitoring system consists of high pressure stations at 10-15 kbars, which distribute gas to substations at 0.5-10 kbars.

FF-Automation's Korean system integrator i-Satco integrated monitoring and control systems to important gas facilities using AIMAX and AutoLog® RTUs (Remote Terminal Unit) stations.





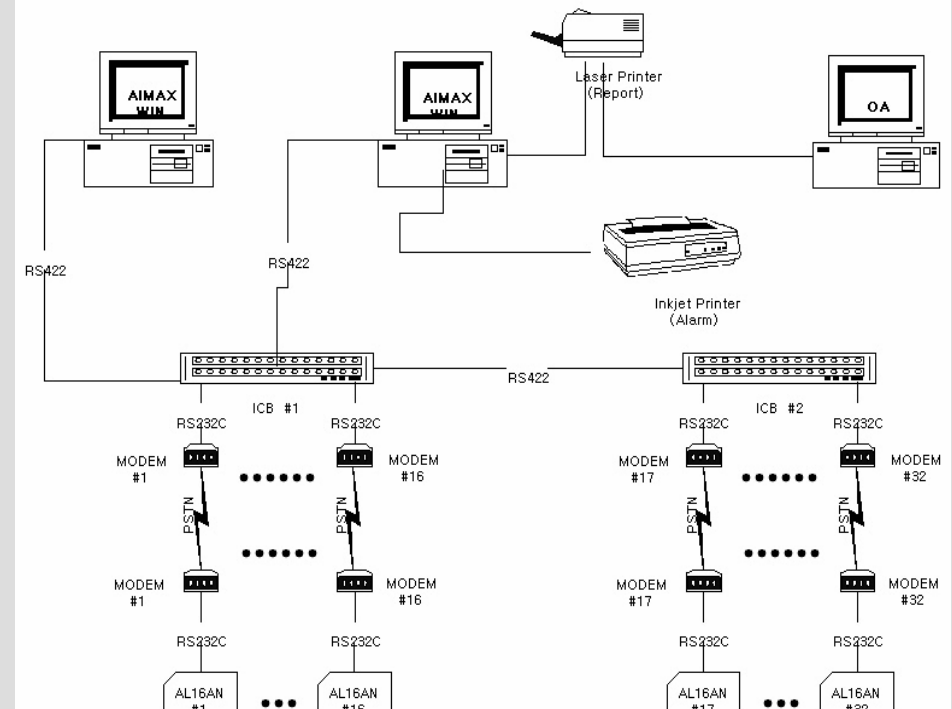
### Control systems

Each AutoLog® RTU have e.g. the following functionality: high/low pressure detection, safety valve, gas leak detection, governor door, mass flow, MOV control, cathodic protection of pipeline.

Communicating between RTUs and Control Coom is using PSTN modems and Modbus RTU protocol.

The signals are linked to an AIMAX server, running Windows NT, located in the control room.

**Mokpo City Gas System layout**  
(All three City Gas systems have about the same layout)





### Delivered AutoLog® RTUs

#### Wonju City Gas

The Project started in 1999. Today (March 2004) the system has been expanded to contain 90 AutoLog® 16 RTU's with about 1,500 I/O's.

#### Kunsan City Gas

The Project started in 1997. Today (March 2004) the system has been expanded to contain 41 AutoLog® 16 RTU's with about 700 I/O's.

#### Mokpo City Gas

The Project started in 1998. Today (March 2004) the system has been expanded to contain 32 AutoLog® 16 RTU's with about 500 I/O's.



For more information  
about FF-Automation and  
the AutoLog® range of  
control products and  
automation solutions,  
please open

[www.ff-automation.com](http://www.ff-automation.com)



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