

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



## AutoLog<sup>®</sup> Success Story



We've got it under control  
Sophisticated Control Technology

Iranian Central Oil Field Company, AutoLog<sup>®</sup> RTU's & SCADA  
Telemetry & Telecom system, Tabnak, Varavi, Homa, Shanol



FF-AUTOMATION OY



## Description

FF-Automation supplied RTU and SCADA system to the biggest Iranian oil supplier, Iranian Central Oil Field Company (ICOFC).

The project consist of a number of gas wells, Line Break Valves, gathering and trunk pipelines, treating facilities and residential area.

The ICOFC company supervises all the Iran's onshore oil and gas production fields with the exception of the fields supervised by the National Iranian South Oil Company.

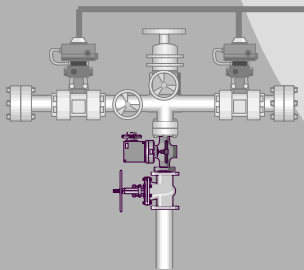
The company has 60,000 barrels per day of crude oil production capacity in addition to operating 62% of Iran's gas production capacity.



Subcompany:  
**Iranian Central** —————  
**Oil Fields Company-ICOFC**



Redundant RTU  
• Wellhead or  
• Line Break Valve



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### Control system

Hundreds of redundant AutoLog® 20 RTU's are controlling gas wells and Line break valves located in remote areas. AutoLog® 20 RTU has max. 72 I/Os.

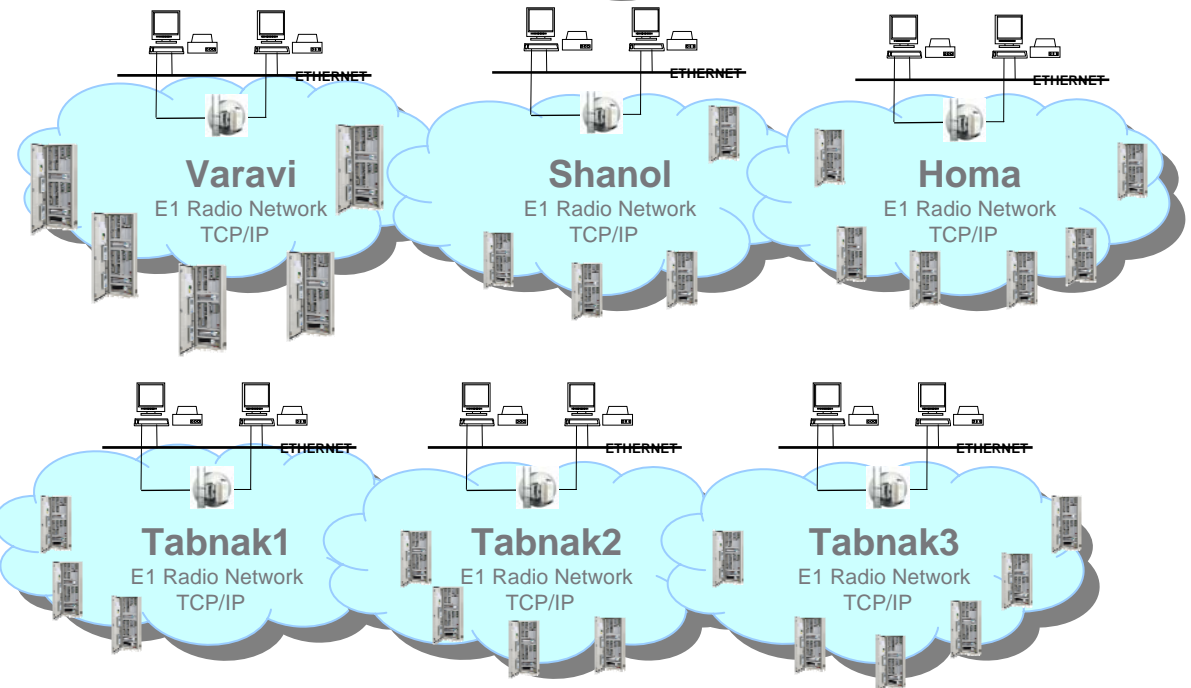
FF-Automation delivered also twelve (6 x 2) redundant Web Studio central control room servers with remote control possibility from Headquarters.



### Headquarters

E1 Radio Network  
TCP/IP

Six (6) separate Gas Fields are controlled with AutoLog RTUs & SCADA solution



The same Microwave E1 (TCP/IP) radio network is used for voice, video and Control System data communication.



### Redundant AutoLog® RTU

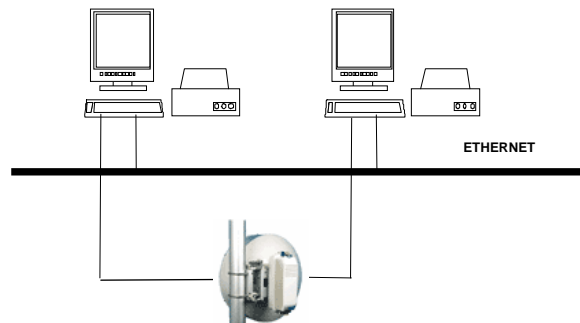
In critical applications system reliability can be increased using redundant RTU.

In case of any detected hardware or software failure in RTU, the automatic switching between standby and active RTU is done.

Switching can be done also manually from control room.

System redundancy can be also include network and SCADA server redundancy.

In this project, FF-Automation delivered Redundant RTUs and SCADA servers.



## Redundant Control Room SCADAs

In critical applications system reliability can be increased using redundant SCADA.

In case of any detected hardware or software failure in SCADA, the automatic switching between standby and active SCADA Server PC is done.

Switching can be done manually or automatically.

In this project FF-Automation delivered six redundant Control Room SCADA servers.

All views in these six SCADA servers can be monitored remotely from Headquarter PCs.



### AutoLog® RTUs & SCADA

The project includes programming the AutoLog® RTU and SCADA applications and commissioning.

The customer chose FF-Automation as the Control System supplier because of the good features of the offered system and the technical knowhow to help designing the optimal telemetry system for the customer. FF-Automation has many references of similar AutoLog® RTU projects.

The project was delivered in 2007 and will be commissioned during year 2008.



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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