

Bilfinger GreyLogix has signed a framework agreement covering the replacement and maintenance of control systems for 50 gas turbines with the Dutch utility company Gasunie for the next 15 years. The volume is in excess of €20 million.

CONTROL PANELS REPLACEMENT

Once the standardization phase is executed, the control panels will be replaced gradually over the next 15 years. Each control panel that is to be replaced will be based on the standardized hard- and software developed in the standardization phase. The control panels will be used to control different kinds of gas turbine engines based on manufacturers and types, for example: Rolls-Royce RB211, AVON, GE FS3, FS5 and Solar Saturn, Centaur, Mars. In order to ensure performance, each replacement project is started with fingerprint testing.

LIFE CYCLE MANAGEMENT, REMOTE SUPPORT AND 4 HOURS SPARE PART DELIVERY ONSITE

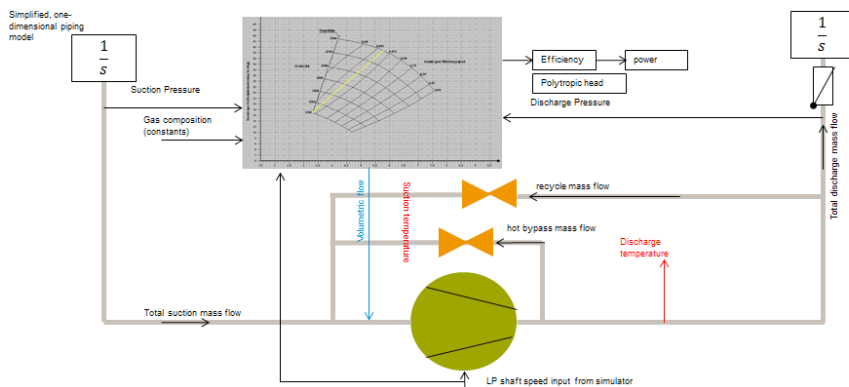
The lifecycle management means that Bilfinger GreyLogix, over the whole lifetime of the panels is responsible for obsolete management, firmware upgrades, testing, updating and training – all in close cooperation with Gasunie. In order to ensure availability, Bilfinger GreyLogix will provide 24/7 expert remote support to Gasunie. This support is done via remote connection or by telephone.

In case any hardware failure is discovered, Bilfinger GreyLogix will provide within four (4) hours the required spare part to an onsite location.

MCC'S REPLACEMENT

As an extension to the framework agreement regarding the replacement of control systems for Gasunie, the Bilfinger GreyLogix Group has successfully concluded an additional contract covering the replacement of motor control centers (MCCs).

Bilfinger GreyLogix will develop and standardize the MCCs so that they fit in every gas turbine compressor unit located at several Gasunie compressor stations around the Netherlands. The replacement will be carried out gradually over the course of the coming years.



Engineering, Automation & Control

Bilfinger GreyLogix GmbH

Conrad-Röntgen-Straße 1 · 24941 Flensburg · Germany
 Telephone +49 461 505487-0 · Fax +49 461 505487-100
 info.greyllogix@bilfinger.com · www.greyllogix.bilfinger.com

BILFINGER GREYLOGIX

GASUNIE

CLIENT

Gasunie, the Netherlands

STANDARDIZED SYSTEM

- Site survey
- Development of standardized software, libraries, and SCADA HMI based on Allen Bradley Control Logix & Win CC OA
- Development of standard control panel
- EMC testing of control panel
- Factory acceptance testing
- Development of simulation software for turbine / compressor

SERVICE & SUPPORT

- Life cycle management
- 24/7 Remote support
- 24/7, 4 hours spare part delivery onsite



Allen-Bradley

gasunie



BILFINGER

**ENGINEERING
AND SERVICES**