



## Proven Track Record (PTR) – Brodersen RTU32M Controller

Date: 08/09/2025

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that the **Brodersen RTU32M** controller was successfully supplied, installed, and commissioned for the **Société Tunisienne de l'Électricité et du Gaz (STEG)**, **Tunisia**, for Oil & Gas applications. The details are provided below:

Particulars	Details
Supply Location	Tunisia
Final Acceptance Date	2019
Application	Gas pipeline monitoring and control – STEG Tunisia

### Project Description

- A 1,500 km gas pipeline is monitored and controlled using 35 Brodersen RTU32 units and over 200 RTU870 units, integrated with the central ABB SCADA system.
- Communication is established via Ethernet backbone, UHF Brodersen UCW Data Radios, GSM dial-up modems, GPRS, VSAT, and LS Modems, using EN/IEC 60870 protocol.
- Data acquisition for metering and gas chromatography is achieved through Modbus TCP/IP and Modbus serial protocols.
- The system incorporates full redundancy to all smaller sites and triple redundancy on larger sites utilizing RTU32 controllers.

### Operational Status

The equipment has been operating reliably and efficiently since commissioning, with no major issues reported. The final acceptance was completed in 2019, and the RTUs have remained fully functional to date.

Installed across Tunisia – from the Sahara in the South to the northern regions of the country – the RTUs continue to operate flawlessly under all weather and environmental conditions. We further confirm that the **Brodersen RTU32M** has proven to be highly **robust and reliable**, showing superior performance compared to other brands acquired for similar applications.

### Authorized Signatory

**HATEM LAADHARI**

HEAD OF DEPARTEMENT: MAINTENANCE CONTROL CENTER OF NATURAL GAS TUNISIA

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