



A Rockwell Automation Company

Canadian Occidental Petroleum Limited Digital Microwave System

The Client:

Canadian Occidental Petroleum Limited is operating a large oil & gas project in Yemen. The administration for this project is handled from CanOxy's offices in Sana'a. The offices are staffed with approximately 40 employees who communicate with their head office in Calgary, AB, and field operations in South Yemen. Yemen is a developing country and the

telecommunications infrastructure is not adequate to meet the requirements of CanOxy for international communications.

The Requirement:

CanOxy requires a dedicated digital communications link between their administration office in Sana'a and the International Satellite Teleport. The digital link will initially provide interconnection of a 64KBs link via Satellite to Calgary, AB. The system will have the

capacity to expand to provide additional service to Calgary and as well accommodate high capacity digital links to the field locations in South Yemen.

The Design Solution:

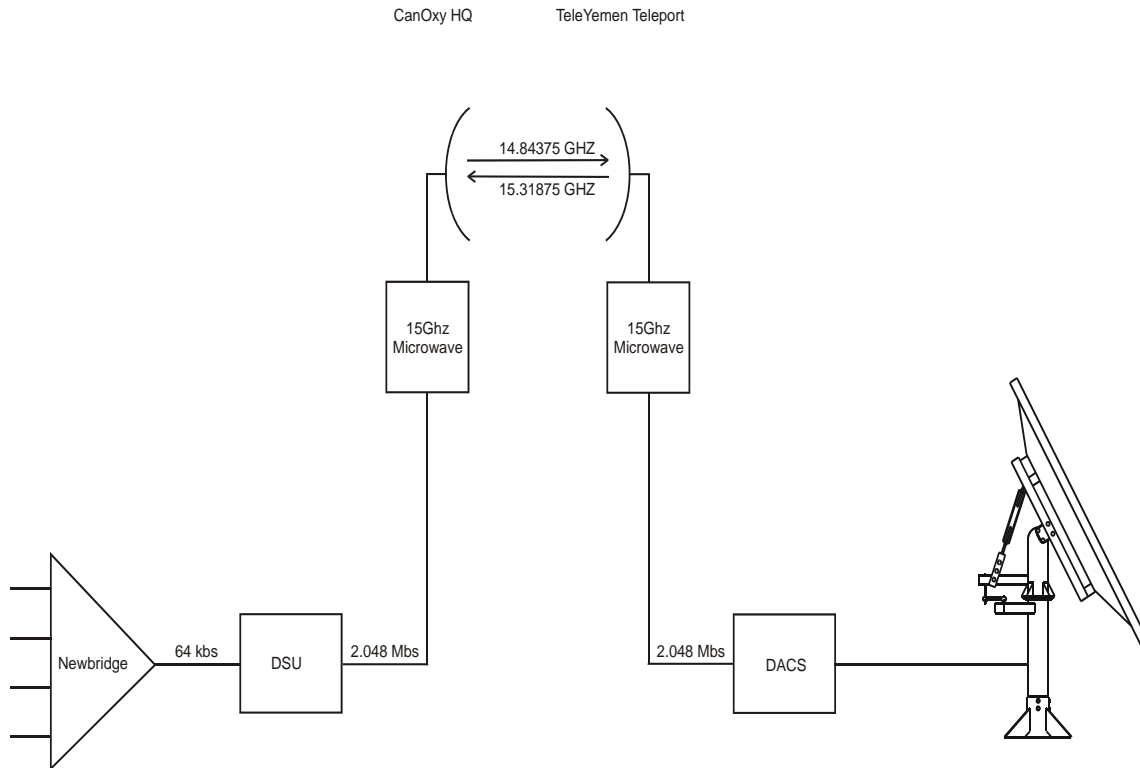
A digital microwave system was provided to link the CanOxy office to the Tele Yemen teleport. Propagation analysis determined that a 15 GHz link would provide the reliability needed. The system was interfaced directly to the DACS (Digital Access

Crossconnect Switch) at the teleport and was interfaced to a Newbridge 3612 sub rate MUX at the subscriber end.



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System Specifications:

- 1 AT1 15 Ghz Quick Link E1 Microwave Radio
- 1 Tylink ONS 155E -01-01 DSU
- 1 Newbridge 3612 Mainstreet Multiplexer

For further information or to contact a Hinz office near you, please check our website at:

www.hinz.com