Case Study

Omniflex D2D Crosses Continents for Mexichem's Alarm Data.

Andrew Bradley

Introduction

When Mexichem required alarm data from their Omniflex alarm annunciator in India to be remotely monitored from the UK, they chose Omniflex because of their ability to cost effectively monitor the data via their cloud based monitoring system.

When Mexichem awarded Omniflex (UK) Ltd with the contract of adding a remote monitoring system to their Omniflex Omni8c alarm annunciator system due to be installed in their facility in India, they chose an Omniflex Data2Desktop (D2D) Cloud based solution due to its capability of remotely monitoring (worldwide) and sending email & SMS alarm alerts using cost effective 3G networks.

Mexichem

With a history stretching back over 50 years, Mexichem has a long tradition of adding value to materials and creating quality products. Today Mexichem is a leading provider of products and solutions across multiple sectors of industry and commerce, from construction and infrastructure to agriculture, healthcare, transportation, telecommunications, energy and more.

"From product and solution Knowledge through to delivery of the System, Omniflex have provided a first-class service." - Mexichem, Sr. EC&I Project Engineer

Omniflex Teleterm M3G1E 3G Module

M3G1E Data Sheet: http://www.omniflex.com/pub/downloads/DSC2363A.pdf

The Challenge

As the alarm panel was to be built in the UK and shipped to the facility in India to monitor a pump system the challenge was to get the alarm alerts and data from India back to the UK in a reliable and cost effective manner. To achieve this, the Omniflex alarm annunciator was fitted with an RS232/485 serial port, allowing simple connectivity via modbus to an Omniflex Teleterm M3G1E 3G RTU. The RTU then connects to the Omniflex cloud based D2D Monitoring service via the 3G network. The D2D service provides access to the real-time alarm data 24/7 via your web browser and provides the alarm history log, trending and reports whilst also sending alarm alerts to personnel via email and SMS.

"The Engineering Service and support provided to Mexichem was exceptional." – Mexichem, Sr. EC&I Project Engineer
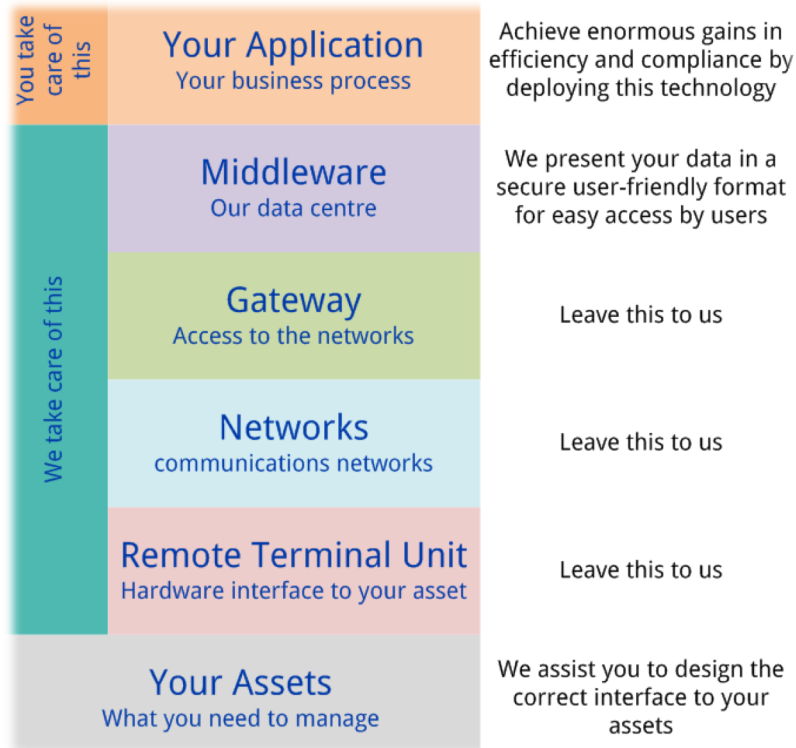
What is Data2Desktop?

Data2Desktop is for those who want to remotely monitor data from anywhere across a site, country or worldwide 24/7 and also cut the cost, time or the expertise required to deploy expensive SCADA/RTU/PLC solutions.

Data2Desktop is a complete web based remote monitoring service that allows you to monitor the data wherever the measurement points are or the user is located using a web browser accessible via desktop PC, laptop, tablet and smart phone.

Unlike SCADA&PLC alternatives, Data2Desktop provides a complete end-to-end service to continuously monitor and store your data without needing any technical expertise, dedicated computer equipment, or significant upfront expenditure. Whether it is one data point or one thousand data points, the Data2Desktop service provides a simple, cost effective solution to ongoing reliable remote data monitoring that can save your company money and improve your service levels.

For more information on D2D please follow: http://www.omniflex.com/solutions_web_based_monitoring.php

You take care of this	**Your Application** Your business process	Achieve enormous gains in efficiency and compliance by deploying this technology
We take care of this	**Middleware** Our data centre	We present your data in a secure user-friendly format for easy access by users
	Gateway Access to the networks	Leave this to us
	Networks communications networks	Leave this to us
	Remote Terminal Unit Hardware interface to your asset	Leave this to us
	Your Assets What you need to manage	We assist you to design the correct interface to your assets

The Result

Mexichem's alarms system now has a Data2 Desktop (D2D) cloud based system which requires no software and can be viewed on any web-enabled device and can be expanded to all assets, saving them thousands of pounds. The system is fully expandable and supported by Omniflex UK for its entire life cycle. The benefit of knowing that they have a fully working, maintained and monitored alarm system on their pump is piece of mind.

"The unit supplied to us is built to a very high quality and was seamless to set up, we are very pleased with the service and end product that the guys at Omniflex provided." - Mexichem, Sr. EC&I Project Engineer

Support you can depend on.

In today's fast changing world of electronics, the consumer is used to seeing his/her new product become obsolete within months of purchase.

On industrial sites obsolete Systems can cause havoc.

OMNIFLEX products have been sold to the process control industry for 53 years. We are proud of our history and continue to support all of these products regardless of their age for as long as they are operational on your site.

OMNIFLEX has a full in-factory repair and refurbishment facility capable of maintaining the entire range of products manufactured under OMNIFLEX brand name.

OMNIFLEX invests continuously in Research and Development and can also recommend compatible replacements when the advancement of technology offers a superior solution.

We understand the criticality of down time and are therefore geared toward rapid response to product support.

Omniflex offices

Africa, Middle East & Americas
Tel: +27 31 207 7466
Fax: +27 31 208 2058
Email: sales@omniflex.com

UK & Europe
Tel: +44 161 491 4144
Fax: +44 161 491 4188
Email: uksales@omniflex.com

Asia Pacific
Tel: +61 2 8090 2144
Fax: +61 2 8090 2145
Email: aussales@omniflex.com

www.omniflex.com

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