MatrikonOPC

OPC Day EMEA Madrid, Nov 16th

AGENDA

Time	Session	Speaker(s)
08:30h 09:00h	**Welcome - Overview of OPC**	**Darek Kominek** Product Director, **Matrikon** darek.kominek@matrikonopc.com
09:00h 09:45h	**What is Internet of Things (IOT), OPC UA, and Industry 4.**	**Darek Kominek** Product Director, **Matrikon** & **Thomas Burke** President & Executive Director, **OPC Foundation** thomas.burke@opcfoundation.org
09:45h 10:30h	**Matrikon UA Modbus Gateway Secure and reliable data from remote PLC's and devices**	**George Tzavelas** Industrial Solutions Director, Intec george.tzavelas@intec.gr
10:30h - 11:00h	**COFFEE BREAK**	
11:00h 11:30h	**Case Study - Open Data Management in the Power Industry**	**Javier de La Obra** Field Engineer, **Dipicell** javier.delaobra@dipicell.es
11:30h 12:15h	**MatrikonOPC Condition Manager: Easy process calculations without programing**	**Fernando Alvarez** Product Manager, **Matrikon** f.alvarez@matrikoneurope.com & **Antonio Pérez** LI EPS, **Air Liquid** antonio.perezm@airliquide.com
12:15h 12:45h	**Case Study - Solving the cyber security risk for a MatriconOPC implementation in critical infrastructure network**	**Ran Pedhazur** VP Business Development, **Waterfall Security Solutions** ran@waterfall-security.com & **Yotam Levin** Assistant to CEO, **Ashdod Energy** yotam@edeltech.co.il
13:00h - 14:00h	**LUNCH**	
14:00h 14:30h	**Case Study: Tunneller**	**José Maria Nougues** Field Engineer, **Inprocess Group** josemaria.nougues@inprocessgroup.com
14:30h 15:15h	**Easy 3rd Party Data Capture and Centralization with Matrikon ODH**	**Darek Kominek** Product Director, **Matrikon** darek.kominek@matrikonopc.com
15:15h - 15:30h	**QUESTIONS & ANSWERS**	
15:30h 16:45h	**Distributor Intro - Demo Room and Welcome cocktel**	

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ABSTRACT   The Industrial Connectivity Experts

Welcome -
Overview of OPC

In today's world, automation is used prominently in every major industry. While different industries often use different specialized devices, control systems and applications, they all share a common rapidly growing challenge - how to share data amongst all these components and the rest of the enterprise.
OPC is the solution - it solves the problem of communication between devices, controllers and applications. It is a standardized approach to data connectivity that does not get caught up in the usual custom-drive based connectivity problems.

What is Internet of Things (IOT),
OPC UA, and Industry 4.

The popularity of the "Internet of Things" (IoT) has swept through the control automation landscape bringing with it a host of expectations and new buzz words like Industry 4.0, Industrial IoT (IIoT), Big Data, and the accelerated adoption of OPC UA. This presentation provides attendees with an executive brief on the IoT and its constituent parts, how they work together, and how OPC UA plays a key part in making the industrial IoT a reality. Attendees will also get an update on the initiatives the OPC Foundation and Matrikon are involved with to help industry realize the benefits the IoT has to offer.

Matrikon UA Modbus Gateway
Secure and reliable data from remote
PLC's and devices

Accessing remote data has traditionally been challenging for reasons ranging from data loss due to unreliable network connectivity to remote computer failures or exposure to security issues when acquiring this data remotely. With over 15 years of experience working with SCADA implementations and data connectivity, Matrikon has simplified the task of acquiring remote data with the Matrikon Industrial device product line.

Case Study - Open Data Management
in the Power Industry

Connectivity to devices has become a challenge to many engineering companies and integrators, especially if they do not want to leverage the proprietary communication interface of the devices. They want their projects to be efficient, high quality and at a reasonable cost to the customers that is easy to use and offers flexibility in deployment options. Dipicell Engineering presents how, with the help of the OPC technology, they were able to efficiently provide data connection between the ABB DCS Bailey Infi90 and various data management system of a power plant.

MatrikonOPC Condition Manager:
Easy process calculations without
programing

The Matrikon Condition Manager is an extremely robust and versatile tool. Powerful computation and logic capabilities and OPC open standard connectivity combined with a budget friendly price point position Condition Manager as the must have 'Swiss Army Knife' of any automation architecture. In this real world demonstration, Condition Manager is used calculate multiple vendor PLC outputs to provide detailed, real-time information on the depth, speed and gamma from the drill head itself. The information is then passed to a database for long term storage and analysis.

Case Study - Solving the cyber
security risk for a MatriconOPC
implementation
in critical infrastructure network

CaseStudy where Waterfall's Uni-Directional Gateway was implemented with Matrikon's OPC solution. This case study is based on a real life implementation. You will be able to explore the security issues organizations face while they connect their industrial/critical networks to their corporate ones. From one hand the company need to allow their corporate networks to access real time data coming from their critical assets, but from the other hand by doing so, they open up their critical assets to security issues and potential hacks coming from the internet.

Easy 3rd Party Data Capture and
Centralization with Matrikon ODH

Known as the engineer's "field historian", the Matrikon OPC Desktop Historian (ODH) is a small, reliable data buffering application used for capturing OPC data at remote sites and in small to medium installations. Streamlined for easy deployment and use, ODH can be installed and configured to start capturing data within minutes. Learn more about this small historian, how it compares to and complements PHD, and how it can be used as a key part of complete store-and-forward solutions in situations where third party historians are used.