

How to enable P&ID data handover

Mac McGarrigle, Executive Industry Consultant Hexagon PPM, Houston, USA

Paul Snijder, Consultant Hexagon PPM. Amstelveen, Netherlands

How to enable P&ID data handover

- **Introduction**
- **Why cooperation in the DEXPI Group?**
- **What has been achieved?**
- **Status of implementation in SW-Releases**
- **Plans for the future**
- **Obstacles / successes**

Introduction

In this presentation, Mac McGarrigle, Hexagon PPM Enterprise Business Process Consultant, shares some of the advanced opportunities that the DEXPI standard provides. This, not only during the engineering phase but downstream into Operations and Maintenance. It is well known that P&IDs are a critical part of the complete life cycle of any type of Facility. However, having access to 'Data' contained in those P&IDs opens many doors for automation of previously manual work process. Hexagon PPM will also share defensible 'Return on Investment' (ROI) from the use of the DEXPI standard and identify where it touches the complete life cycle of the Facility.

Why cooperation in the DEXPI group?

"We recognize the importance of integration and standards"

Francois Haynes

Executive Director, PPM: Business Development

What has been achieved?

Attend meetings and hackathons

Develop proof of concept with service resource for Export to DEXPI

Status of implementation in S/W releases

SmartPlant P&ID version 2014 R1

Export to DEXPI based on ISO 15926 export Utility and Post Processor

(ISO 15926 export utility was first released in April 2012)

Post Processor export supports latest Proteus Schema 4.0.1

Plans for the future

We are happy to announce that Hexagon PPM is developing and delivering Read/Write Web APIs for all design tools. We fully expect to be able to support DEXPI export and import initiative with these Web APIs. These APIs will replace the existing mechanism but until these APIs are in place we will continue with what we have today as our development platform as DEXPI evolves. The first phase of these APIs will be delivered in 2018. The global product center is working with the Hexagon PPM team to insure we fully support the DEXPI import/export initiative.

Obstacles / successes

Obstacles:

Export Module:

ISO Export Schema v. DEXPI Schema

Successes:

Export module:

Supports instrumentation

Complete and error free output.