

PCT Optimizer Suite

• Main features

- Plant Auditing via:
 - Loop Asset Monitors
 - Production Group Asset Monitors
- Performance monitoring
 - Key Performance Index
 - Overall Performance Efficiency
- Total Site Optimization
 - Increased understanding of production bottle-necks
- Preventive & Proactive Maintenance
 - Detects incipient faults
 - Suggests corrective actions

• Main benefits

- Decrease in
 - Energy use
 - Chemical use
 - Reject
 - Plant downtime
- Increase in
 - Production capacity
 - Product quality
 - Equipment lifetime
 - Awareness of different plant operation conditions
- More efficient maintenance
 - Seamless integration into
 - Automation System
 - CMMS systems

PCT Optimizer Suite

- Principle technologies
 - Based on the COM Client/ Server technology
 - Makes full use of the OPC Foundation principles:
 - OPC DA
 - OPC HDA
 - OPC A&E
 - Scalable product making it possible to adapt to the specific customer needs and requirements
 - Web based technology

PCT Optimizer Suite

- **Product highlights**
 - Engineering extremely powerful
 - One time data entry
 - Automatic fill-in from Automation System
 - 100 loops fully engineered in < 2 minutes
 - Full scope of features included
 - Data and Evaluation Schedulers
 - Data historian
 - Tunneller over the ethernet network
 - Evaluation Knowledge Data Base
 - Calculation & Evaluation engines
 - Performance Monitors for Loops and Production Groups
 - Evaluation report submitters
 - All activities runs time or event scheduled
 - All activities have dynamic on-line enablers
 - Direct seamless integration into the Automation System

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- Where to find information:
 - All pamphlets provided by RIB
 - Main pamphlet: <LOS_En.pdf>, <LOS_Swe.pdf>
 - Introduktion to LOS: <LOS_Intro_En>
 - Kommunikation possibilities: <LOS_Com_Eng.pdf>, <LOS_Com.pdf>
 - Remote Evaluation Viewer: <REV_Eng.pdf>, <REV_Swe.pdf>
 - Web Asset Portal: <WAP_Eng.pdf>
 - Detailed information
 - When reading documentation please do so in below arranged order:
 - Product Guide: <PCT_LOS_Production Optimization Solutions.pdf>
 - Suite Manual: <PCT_LOS_Suite.pdf>
 - OH material: <PCT Products Overview and principles.pdf>
 - Conferance Paper: <ID 119 Plant Loop Auditing in Practice Rev 2.pdf>
 - Pages of interest:
 - OPC: see page 7 in the Product Guide and in OH on page 14,
 - Principle node structure: see page 7 in Suite manual and OH on page 8
 - Web based presentations: OH on page 15, in Product Guide on 13
 - Loop and production unit evaluation results: OH page 24, 25 and in Product Guide on page 8