

Methanol@Max

In order to help production managers increase the profitability of their Methanol production facilities, IPCOS offers Methanol@Max, the novel optimization solution specifically designed for Methanol plants. It is part of the IPCOS' @Max solution family. The @Max solutions help production plants to maximize the profits by maximizing production and minimizing energy consumption, while making use of their existing assets, this without the necessity to make any changes to the plant equipment.

OPTIMIZATION SOLUTIONS FOR METHANOL

Layered approach

IPCOS helps you achieve optimal operation of your Methanol plant, from solving basic instrumentation and control problems to high-end optimization.

Some examples:



Base Layer automation and control:

- Major review and optimization of existing controls
- Tuning of controls and optimization of control structures (duty controllers, reformer pass controller)
- DCS migration
- Standardization of controls
- Documentation
- Instrumentation/actuators review and upgrade (e.g. Pneumatic to Electric)
- Advanced maintenance services on base layer controls
- Performance monitoring services for basic controls

- Engineer and operator training
- Instrumentation maintenance (e.g. online analyzers)

Advanced Process Control (APC):

- Data reconciliation, yield accounting and other online KPI computations
- Feasibility studies for APC with performance guarantees
- APC installations
- APC system maintenance (on site, remote)

THE BENEFITS ARE OBVIOUS:

Benefits of IPCOS' base layer control optimization and Advanced Process Control solutions:

Improved plant stability

Increased Methanol production (3%)

Reduced energy consumption

Improved separation

Reduced emissions

Maximized conversion

Improved equipment reliability due to consistent, best practice operation

Very stable Methanol quality

Minimal operator interventions

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SYNGAS SOLUTIONS



