



Improvement of compressed air systems efficiency in industrial plants

Compressed air system must ensure uninterrupted compressed air supply. However, changes of compressed air consumers number in the system, influence compressor operation mode. And mode changes are usually related to additional energy losses that can be mitigated by optimizing system management.

Why useful?

This is a practical two-day training, during which the EA-PSM Hydraulic software will be installed in your computer. Each training participant will have the opportunity to create company's compressed air scheme and make analysis and simulation. After the training you'll get **60 days FREE UNLIMITED EA-PSM Hydraulic** software and **CONSULTING** for your project.

Who should attend?

Training is dedicated for industrial factories engineers and technical directors, compressed air systems engineers and designers.

Training program:

1 day, duration 8 hours.

- ❖ Requirements for compressed air parameters and systems;
- ❖ Air compressors, air collectors and dehumidifiers;
- ❖ Balance of compressed air system losses;
- ❖ Air compressor capacity control with the frequency converter.
- ❖ Installing EA-PSM Hydraulic in your computer.
- ❖ Create a scheme.
- ❖ Discussion of the main principle of hydraulics and physics.
- ❖ Determining the diameter of the optimum pipe.

2 day, duration 8 hours.

- ❖ Design of compressed air pipelines and air receivers, pressure losses calculation;
- ❖ Air flows calculation;
- ❖ Humid air influence and related problems estimation;
- ❖ Evaluation of air compressor heat utilization economical effect;
- ❖ Evaluation of compressed air losses financial effect.
- ❖ Selection of compressors according to user load;
- ❖ Compressor parallel work and operating mode control;
- ❖ Analysis of the main energy processes and losses in the Sankey diagram.
- ❖ Solving network energy optimization and reliability tasks.

Participants will learn:

- To choose air compressors receivers, compressed air dehumidifier
- To choose compressed air pipeline diameter;
- To calculate air flows and pressure losses in compressed air pipelines;
- To evaluate air compressor pressure reduction economical effect;
- To calculate compressed air system heat utilization effect;
- To create a plan for compressed air system's productivity management.



Time: 24th and 25th October, 2019

Registration ends: 10th October, 2019.

Price: 490 EUR, register till 26th of September, 2019 and get 15% discount. Second booking charged at full published rate minus 50%.

Place: Warsaw, more information you'll get after registration.

Additional information:

- Software EA-PSM Hydraulic will be installed in your computer.
- Every participant should bring his PC.
- Small groups (up to ten).
- During this workshop participant will solve real cases with the software EA-PSM Hydraulic.
- During the training software EA-PSM Hydraulic will be installed in your computer. After the training you will get 60 days FREE software and consulting as much as you need.
- During the training participants will have the opportunity to solve their tasks or to use the examples provided.
- More about EA-PSM Hydraulic <http://www.energyadvice.lt/en/hydraulic-modeling-software/>

Contact us:

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