



YASENSE Excel

Run your Excel models live in production

YASENSE Excel allows the deployment of (standard, existing or new) Excel spreadsheet-based models / calculations, with live bidirectional (and historical) data as inputs and outputs for the calculations over OPC and SQL, and this in a robust way 24/7 in an industrial production environment.

Many production, maintenance, quality and process engineers and managers already use Excel to perform calculations on production data, but they cannot reliably use these spreadsheets on live data. More and more data is being collected but working with it, especially with streaming data, requires for most people to learn new proprietary software or new skills.

With YASENSE Excel anyone can process live production data without effort, in a familiar environment.

A simple process



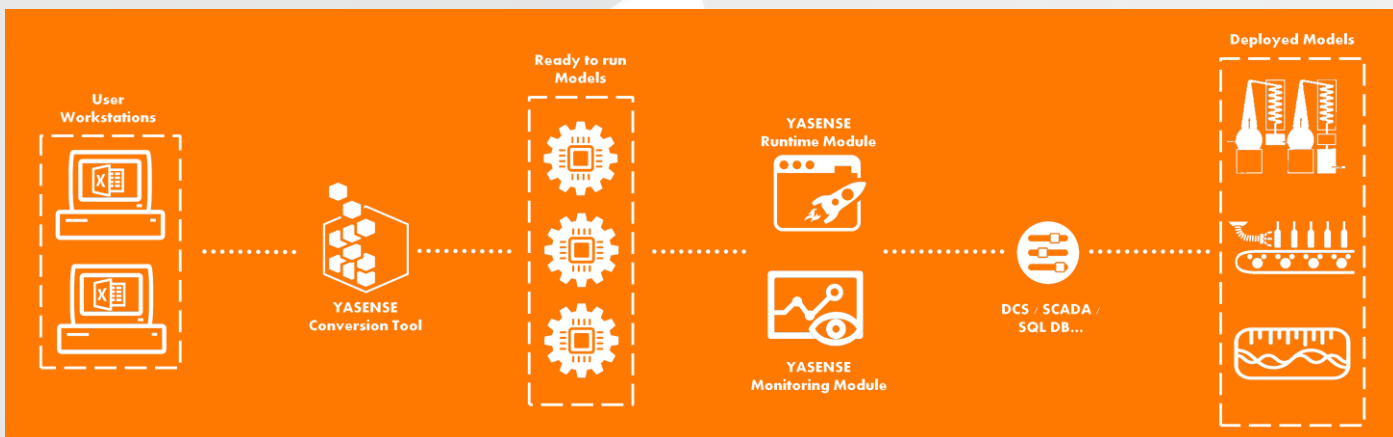
The description of the model, **built in Microsoft Excel** using typical Excel math and logical functions, is **converted into a ready-to-run model** by YASENSE's Conversion Tool.



YASENSE Runtime Module is a **robust runtime platform** with advanced monitoring and watchdog capabilities that runs the models on a Windows PC or server and interfaces with the PLC/DCS/SCADA of your plant or laboratory over OPC or SQL.



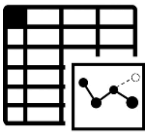
All this is done from YASENSE's Dashboard module, which also allows you to **monitor and control** the status of the deployed models and start or stop them.



Use cases in maintenance, production, operations...

- Calculate the cost of production continuously
- Real-time quality monitoring
- Process control / Supervisory control
- Real Time optimization of cost / quality
- Equipment / Condition monitoring
- Continuous KPI calculations
- Easy definition of alarms
- Predictive models ("virtual sensors")
- ...

Key Advantages



No need to learn a new programming environment: **anyone who knows Excel can design and deploy models**. We deliver a template excel sheet in which you can copy-paste or build your model. We also included a macro that makes it easy to simulate and test your model offline on historical data.



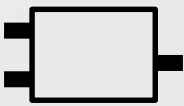
You have full control and understanding of the model, it is not a black box. **Easily and quickly maintain the model yourself** in case of changes in production, no need to pay and wait for vendor services for model changes.



Improves your plant's profitability by **getting more out of existing models** with little extra work.



With its watchdog and advanced monitoring functions, YASENSE Excel ensures **robust and problem-free deployment** and operation of your models.



With the optional PLC function block **Anyone who knows PLC/DCS programming can modify the inputs and outputs of the model and add additional pre- and postprocessing**. To the PLC/DCS/SCADA programmer, the YASENSE Runtime is just another function block.



Unlike internet based solutions, YASENSE Excel runs exclusively on your computer systems so your models never leave your factory and **your intellectual property is fully protected**.

Which Industries can benefit ?

- Oil refining
- Chemicals/petrochemicals/Polymers
- Pulp and paper
- Power generation
- Mining and minerals
- Steel and Metal Industry
- Food and Agro industry
- ...

Contact us now for a demonstration or trial version !

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