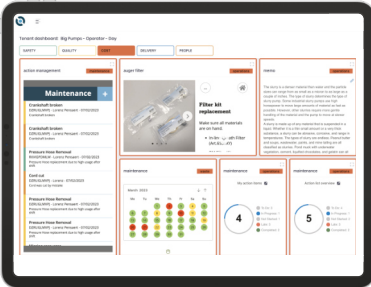


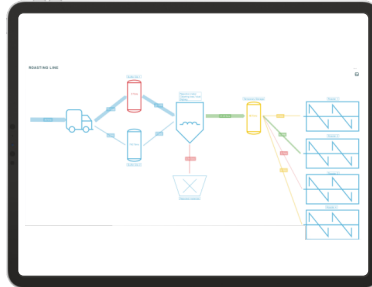
A complete view on all your machine data, efficiency and energy consumption

Workable data on the production floor



Inimco.Facts
Lean Manufacturing

Get a better insight into your entire fleet of machines



Inimco.Facts
Machine Data

Reduce energy consumption and CO2 emissions



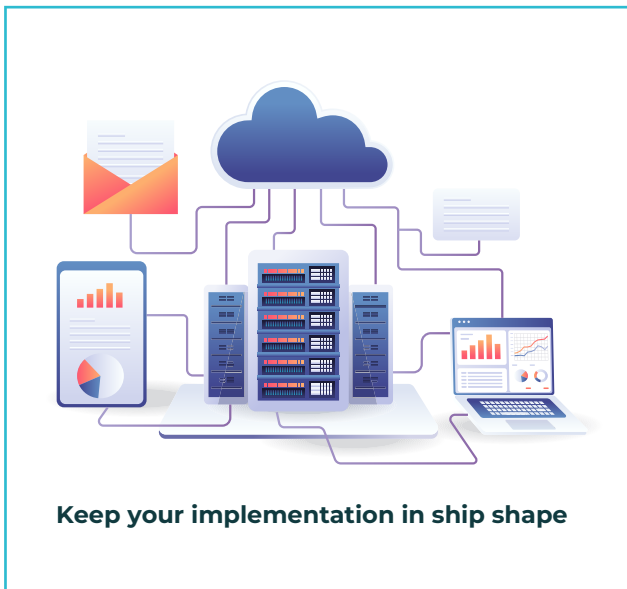
Inimco.Facts
Energy Management

Do you want to

- ▶ perform cloud-based data analysis?
- ▶ optimize OEE and energy consumption?
- ▶ provide data-driven services?
- ▶ adopt lean manufacturing?

Inimco delivers best-fit digital solutions that scale, for:

- ✔ manufacturing companies
- ✔ process & chemical industry
- ✔ machine & equipment builders



Inimco.Facts Managed Services

Cloud Support Services

SLA-based 2nd and 3rd line support to keep your end users and business moving 24/7. We offer these services for Facts and for custom development.

Platform Support Services

Technical proactive and reactive support services to manage the platform for you. We offer these services for Facts and for custom development.

Facts Software Support

Stay up to date with new software releases and product fixes.

QUICK FACTS

Founded in 2016
Team of 45+ experts
Part of PA-ATS since Nov 2020



LATEST TECHNOLOGY



SUCCESS FACTORS

- ▶ OEM independent
- ▶ Scalable & secure
- ▶ Factory to cloud
- ▶ Domain knowledge

Facts Core Platform

Seamless low-/no-code data integration, template-driven data uniformization and single source of truth OT data, providing a connectivity layer, data standardization & contextualization, rules engine, data historian, data visualization, monitoring & alerting, visualization & data access to your telemetry and master data.

Connect to OT data

Azure IoT Edge containers allow you to connect to a multitude of OT data sources, such as OPA UA, Modbus, SQL, files, APIs, LoraWan, IOLink...

Device Management

Simplify your incoming data streams by easily setting up your gateway devices. Quickly deploy edge modules allowing you to connect your on-premises data towards the cloud.

Data Mapping

Map your data from your gateway devices to your digital twins. A simple programmable interface allows you to filter, map and in/exclude data.

Asset Templating

Create asset templates to allow for quick deployment of hundreds of new assets. This will allow your team to define the capabilities, units of measurements, data types, mappings,... specific to the asset type.

Rules & Calculations

Making calculations and sending events based on the incoming data streams is crucial for a modern IoT solution. An Excel-based interface allows everyone with Excel knowledge to work with the IoT data streams.

Real-time & historical data

Analyse both real-time latest state information and historical data of multiple assets on the same dashboard with easy-to-use widgets.

Build your own dashboards

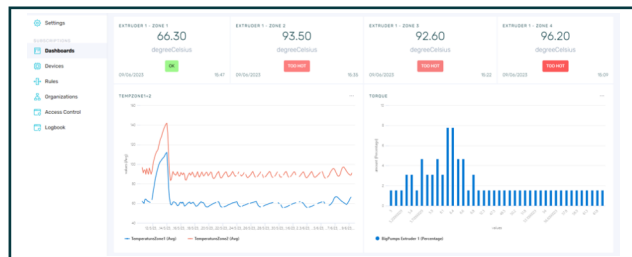
Build multiple dashboards in a graphical, no-code way.

Organization structure

Create the organizational structure that represents your factory setup, divisions, work areas, etc. in a flexible way and group assets and dashboards on different levels of the organization.

Visual alerting

Use conditional formatting rules, labels and colours to create visual alerting rules based on the incoming data that will immediately draw your attention in the dashboard, in real time.



Facts Virtual Appliance Image

The Virtual Appliance Image is a deployment-ready Virtual Machine that makes it easier and faster for the customer to deploy Linux-based IoT Edge Devices at scale.

Automated provisioning. The VAI requires a number of fields to be filled out and then completely self-installs and provisions itself to Facts.

LTS support for Azure IoT Edge. The VAI is based on Ubuntu 22.4 which is the currently supported LTS version for Microsoft Azure IoT Edge.

Virtualization platform independent. The VAI comes in the form of an OVA file with an embedded OVF which includes the main setup properties.



Facts Enterprise Connectivity Pack

As part of our connectivity pack, we offer a set of pre-made edge modules to communicate with OT and IT data sources. These modules can increase the integration speed of new plants/systems or can be used as basis for further customization.

OPC UA – 2-way communication. Out-of-the-box 2-way communication on OPC UA.

SQL Server. Run a query on fixed intervals to read data (typically used for MED or quality systems).

ModBus TCP. Read both streaming & batch data, for example from energy meters, add-on sensors...

Rest API. One-way communication, basic API calls (GET/POST/...) with JWT authentication.

Files. Read files to support data transfer with older solutions, with custom parsing.

sFTP. Read files from sFTP servers, with custom parsing.

LoraWan. Bi-directional communication with LoraWan sensors using your LoraWan gateway.

IOLink. Process switching signals of binary sensors, values of analog sensors in digital form.

OPC UA/MQTT Server – Tani Industrie. Direct connection with PLC using an embedded OPC UA/MQTT server.

Facts Lean Manufacturing

The Facts Lean Manufacturing application allows you to combine different data source and embeddable applications to allow for a unified experience from shop floor to management level and across multiple factories.

Multi-factory

Apply lean manufacturing standards, dashboards and templates across your factories and divisions. The application allows you to build and manage the user experience centrally, while giving the freedom to individual factories to extend their dashboards.

Customizable Dashboards

Keep your employees aligned by defining dashboard templates on a tenant level that are extendible by the users on a per dashboard basis. Give them a standardized view which they can enrich with their own applications or data.

Data Sources

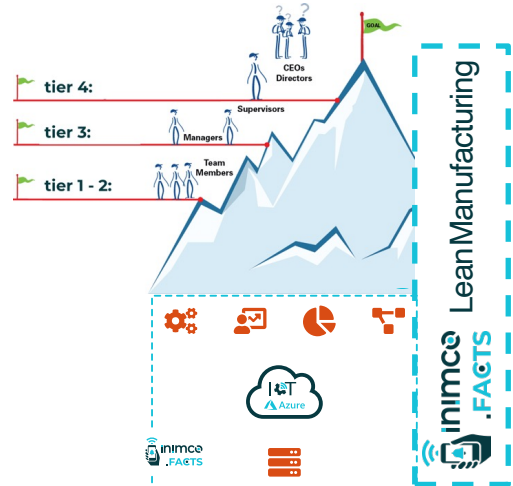
Data sources allow you to gather data into the application such as manual input or data from other sources which can then be used to integrate within a dashboard.

Dashboard Templating

Tens of widgets allow you and your users to create dashboards that are compelling and easy to use. Choose from simple table widgets to embeddable applications and bring every process in your organization into a central pane of glass.

Action Management

Set up alerts and notifications when action criteria are met within your organization. The assigned group of users will be notified via mail or other channels regarding the status of the alert. Follow up on actions using the inbuilt PDCA module.



Facts Energy

The Facts Energy Management module allows you to gain insights into your energy consumption and production by standardizing the data that comes in from your energy meters. This allows you to further optimize costs and your carbon footprint.

BAFA listed and ISO conform*

Solution complies to the BAFA Module 3 requirements for funding in Germany and fulfills the required functionalities for DIN-EN-ISO-50001 conformity.

Multi-factory & multi-lingual user interface

As part of the Inimco.Facts Core features, the system is natively multi-factory ready and includes multilingual user interfaces. Additional languages can be added on request.

Energy data visualizations

Gain insights into your energy production and usage with our standardized and customizable dashboards that plug-and-play on top of your energy meter data using built-in analytic charts.

Multi-factory & Multi-lingual user interface

As part of the Facts Core features, the system is natively multi-factory ready and includes multi-lingual interfaces. Additional language can be added on request.

Cost distribution and loss calculation

Thanks to a wide range of data connectors, existing systems can be used as data sources. Additionally data is accessible for other reporting or dashboarding solutions such as Power BI and Grafana.

Standardized data

The standardized data model that is used works on top of our other solutions allowing us to integrate and process the energy data easily into simple and efficient dashboards.

Energy data evaluation

Calculation of KPIs, mathematical quantities, temporal resolution of data over predefined or custom time intervals, cost determination and energy tariff input function.

Early warning mechanism

Define rules and threshold values to give visual warnings or automated generation of events that can be picked up by other solutions (such as e-mail generation, action management...).

Visual navigation

Provide users with efficient access to relevant data and seamless navigation within the organizational hierarchy, incorporating features like an interactive floor plan view, integrated map view, hierarchical drill-down, grid view for unmapped levels, and interactive legend and tree view.

Virtual meters

Create virtual meters using the Facts UI. Calculate virtual meter data based on other incoming data using the rule engine with Excel-style interface and formulas.

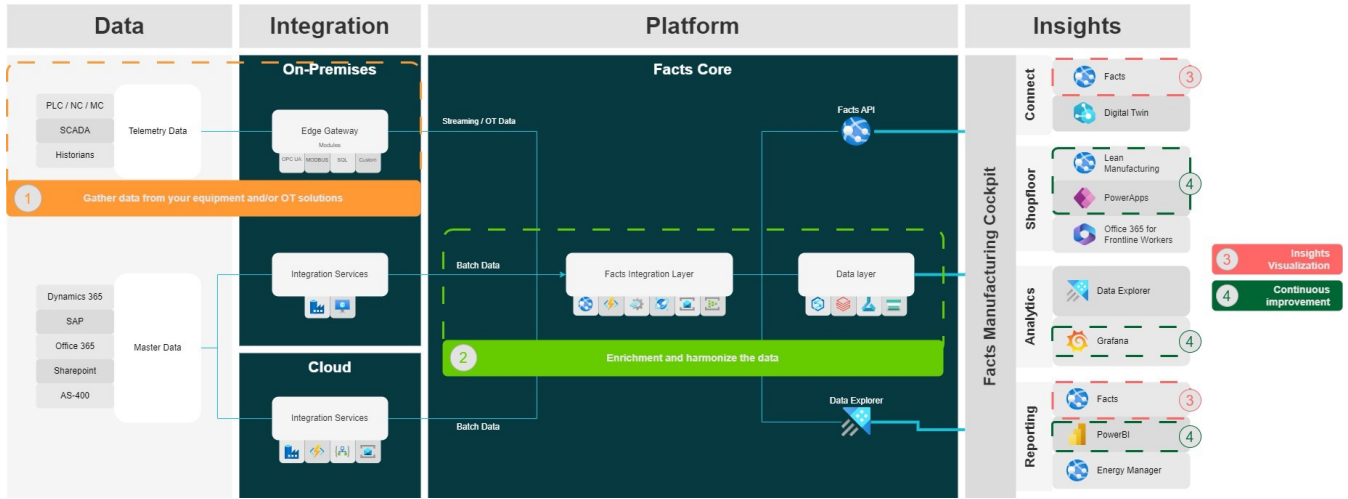
Integration with existing systems

Thanks to a wide range of data connectors, existing systems can be used as data sources. Additionally data is accessible for other reporting or dashboarding solutions such as Power BI and Grafana or can be integrated with Facts Lean Manufacturing.

Service connections with external services

Create service connections with external online services, such as weather services, to ingest additional metrics and data into the platform.

Inimco.Facts Enterprise Architecture



Let's visualize your integrated solution:

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