



**DATAmaestro software** is based on cutting-edge machine learning technology adapted to real industrial challenges.

**OPTImaestro methodology** combines Advanced Analytics and plant staff participation to optimize manufacturing performance.



# INDUSTRY 4.0 Analytics

## Transform your data into solutions with advanced analytics

With the emergence of Industry 4.0 and digitalization in industry, data should be key enabler but most of its value remain untapped.

For more than 15 years, PEPITE has demonstrated on real cases how manufacturing and process industries can leverage their data to improve plant operations. Process yield, energy efficiency, predictive maintenance, product quality, throughput are performance topics where advanced analytics can bring significant impacts with a very high ROI.

From its long and strong experience PEPITE has designed DATAmaestro, a unique software platform for plant engineers. Built on top of standard lean manufacturing, OPTImaestro guarantees successful sustainable deployment of advanced analytics and AI in your plant.



### Key Advantages

- Connectivity to plant data
- AI technology adapted to industry
- Cloud-based or on-premises
- Quick and agile implementation process
- Knowledge transfer to client

Rue Forgeur, 4  
B-4000 Liège  
Belgium  
[www.pepите.com](http://www.pepите.com)

Contact  
[info@pepите.be](mailto:info@pepите.be)  
Tel +32 4 225 58 10



## OPTI maestro : a unique and proven methodology to deploy AI in process plants

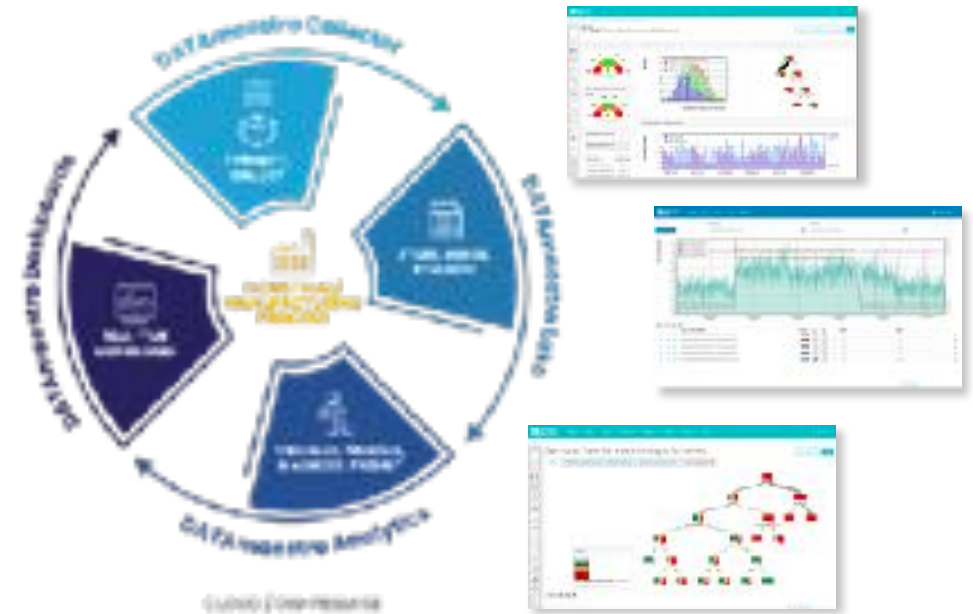


Reduced energy costs from 5 to 15%, improve OEE up to 5%, decreased maintenance costs up to 5%...



We start with a diagnostic to estimate value of AI projects and define an implementation roadmap. A first project will demonstrate impacts and fosters client capability to deploy himself analytics.

## DATA maestro : from data collection to fact-based decision-making



**Collectors** pull data from sources available in plant information systems (PLC, historians LIMS, IIoT sensors, etc.).

**Lake** is a high performance storage engine where collected data can be merged, resampled, prepared and published efficiently for analytics.

**Analytics** is the main component allowing engineers to explore data, create KPI and features and train machine learning models. It has been designed for plant end-users that are not necessarily data scientists.

**Dashboard** displays on charts (trends, tables, gauges, etc.) the real-time results of analytics outputs. It informs early plant operators of abnormal situation and guide them to maintain best plant performance.