

# PRO - PILOT

*Manage your data, maximize your performance*

PRO-PILOT is an **online dashboard** designed for operators to **collect, analyze, and secure all operational data** from the various components of the Biogas upgrading plant. As a decision-support tool, it simplifies the management and monitoring of sites by **analyzing the real-time performance and needs** of the units. PRO-PILOT enables operators to **use the units to their full potential**: reducing operating costs (electricity consumption, activated carbon usage, human resources...), optimizing performance, and ensuring quick response in case of malfunctions. A valuable time-saver **for smoother and more efficient operations**.

## Benefits

	SUPERVISION	PRO-PILOT LITE
<b>Data management</b>		✓
Charts	Manual creation of charts	Ergonomic interface with real-time updated automatic charts
History	Manual access to historical data	Automatic access to historical data
Archiving	Archiving on the site's PC, not secure in the event of a PC failure	Unlimited and automatic storage on a server, with temporary backup in case of network loss
Export	None	Export in spreadsheet format
<b>Performance monitoring and alerts</b>		✓
	No alerts in case of performance drift	Visualization of performance indicators and their deviations from reference thresholds
<b>Dashboard and report generation</b>		✓
	None Process reports sold as an option	Monitoring and operational support dashboards Dashboards for regulatory compliance and certification monitoring
<b>Multi-site management</b>		✓
	None	Comparison and management of data from different operating sites
<b>Supports</b>		✓
	Accessible via PC software	Accessible from any web browser PC / tablet / mobile compatible
<b>Connection</b>		✓
	Secure remote connection via M2Me and VPN tunnel	Enhanced cybersecurity connection
<b>Collaboration</b>		✓
	3 users	Unlimited users
<b>Optimization</b>		✓
	Facility assessment by our teams upon customer request	Confidential and automatic comparison of the installation with the entire machine fleet to identify optimization opportunities  Each month, the 10 lowest-performing installations will be reviewed by our team of experts to implement improvements and drive the machine fleet toward operational excellence.



# PRO-PILOT

*Manage your data, maximize your performance*



**PRO-PILOT provides access to various types of data essential for operational control:**

- Annual Biomethane flow rate
- Instantaneous Biomethane flow rate
- Average monthly Biomethane flow rate
- Monthly production remaining
- CH<sub>4</sub> concentration in Biogas
- Quantity of CH<sub>4</sub> in recirculation
- Injected gas quality (CH<sub>4</sub> - O<sub>2</sub> - H<sub>2</sub>S - N<sub>2</sub>)
- Total electricity consumption
- Electricity consumption per Nm<sup>3</sup>
- Treated Biogas consumption of the boiler
- Downtime during the month (in cumulative hours)
- Pressure (membranes)
- Etc...

All values recorded on the facilities can be displayed on the dashboard, including values external to the Biogas upgrading unit (Anaerobic Digestion plant, injection station, etc.).



**PRO-PILOT LITE** is the first step in a major project led by PRODEVAL in developing **AI-based (artificial intelligence) tools**. In the future, these tools will enable **automatic and intelligent control of units**, including predictive maintenance, anomaly detection, inference engines, energy optimization...

## PRODEVAL

7 rue Anne-Marie Staub  
Quartier du 45<sup>ème</sup> parallèle  
26300 Chateauneuf-sur-Isère  
FRANCE

**+33(0)4 75 40 37 37**

[www.prodeval.com/en](http://www.prodeval.com/en)



© PRODEVAL 2025