

JENBACHER

OUR ENGINE
WEIGHS 20 TONS.
YOU CAN STILL
TAKE IT WITH YOU
WHEREVER YOU GO.

myPlant

You have an engine
service event coming
up in 600 OPH ...

User

Confirm service scope ...

**INNIO's Digital Solutions
presents myPlant APM Solution**

Connect today to give your
industrial assets a digital life!

**ENERGY SOLUTIONS.
EVERYWHERE, EVERY TIME.**

INNIO

YOUR POWER. YOUR DATA. IN YOUR HANDS.

GIVE YOUR INDUSTRIAL ASSETS A DIGITAL LIFE.

Gain a whole new level of insight into the performance of your industrial assets with INNIO's myPlant* Asset Performance Management (APM) solution. Our cloud-based technology lets you manage your assets wherever you are, secure and live.

Predictive monitoring of your engine's health lets you optimize performance and avoid onsite checks. With myPlant you can improve uptime, efficiency and reduce lifecycle costs. Take control of the operating performance and profitability of your gas engine or industrial assets.

► **The power to keep your engine running longer is in your hands. Go digital, and put your focus back where it belongs — on your core business.**



Scan **QR-code** or visit www.myplant.io

HARNESS THE INDUSTRIAL INTERNET OF THINGS

Ride a wave of innovation and change with our myPlant APM solution. Rely on our many years of gas engines manufacturing experience and fleet operability knowledge with more than 15,500 connected assets:

 **30 billion+ minutes of connected assets**

 **1.1 million+ monitored sensors**

 **10 TB+ of data processed every year**

 **70+ preventative analytics available**

HOLD THE KEYS TO SUCCESS WITH A POWERFUL PLATFORM

INNIO'S myPlant ASSET PERFORMANCE MANAGEMENT



MONITOR REAL-TIME OPERATIONS

Drive down operating costs and save time with real-time asset engine health and operating status. Use your preferred device to easily access engine documents and smart tools. Take advantage of a centralized view of your fleet data. All this, in a single location.



INCREASE ENGINE UPTIME

Avoid trips, increase availability and reduce maintenance costs with remote management. Maintain or replace engine parts only when necessary, thanks to condition-based maintenance (CBM). Get ahead of issues with early detection and resolution.



KNOW IT BEFORE IT HAPPENS

Take charge of your engine's future. Mitigate operational uncertainty with analytics. Let myPlant algorithms continuously analyze your engines' data. This helps detecting even small deviations which could otherwise lead to unplanned engine events.



KNOW YOU'RE SECURE WITH US

Breathe a little easier. Cyber security is a fundamental pillar in our operations, so transmitted data is strongly encrypted, stored securely, and inaccessible to third parties. Our cyber security experts continuously monitor your myPlant data to help ensure its safety.

“

With myPlant's ability to continuously monitor our fleet's health and solve more issues remotely, we are able to offer our customers a proactive, digitalized 'value-centric' service approach. Thus, they benefit from optimized maintenance, higher operating hours, and increased revenue.”

”

Tony Coleman
Northeast – Western Energy Systems



CASE IN POINT: myPlant HELPS EFFICIENTLY OPERATE GREENHOUSES

Prominent depends on 70 Jenbacher gas engines to provide the reliable onsite lighting, heat, and CO₂ fertilization needed to support greenhouse plant growth. Plus, myPlant technology's predictive analytics evaluate component conditions for improved greenhouse efficiency and reduced downtime.

Predictive analytics:

- ✓ **Keep availability and uptime** of Jenbacher gas engines up to 98%
- ✓ **Reduce engine downtime** through the timely detection and prediction of component condition
- ✓ **Reduce** number of maintenance operations
- ✓ **Improve** equipment reliability and safety

“

The ability to monitor key engine performance indicators is of utmost importance to us – both for reliability and efficiency. Our myPlant user apps and interfaces are very friendly to work with, and provide an instant overview of engine condition for maximum predictability.

”

Jacco Besuijen
Energy Manager at Prominent

HOW INNIO MAKES USE OF THE INTELLIGENCE OF myPlant



KNOW IT BEFORE IT HAPPENS PREDICTIVE ANALYTICS

IT ALL SEEMS SO SUBTLE AT FIRST—SMALL DEVIATIONS FROM AN OTHERWISE HEALTHY ENGINE OPERATION THAT GO UNDETECTED. BUT EVEN THE SMALLEST DEVIATIONS SHOULD BE EXAMINED ... BEFORE THEY EVOLVE INTO UNPLANNED EVENTS.

Finding deviation in patterns

That's where analytics come in. myPlant algorithms continuously analyze the data streamed from your engines to detect any deviations that could cause unplanned events. Based on the data from thousands of engines, these analytics algorithms distinguish patterns of healthy engine operations—and note when deviations occur.

Acting before an event takes place

When relevant deviations are detected, you are notified immediately via email or SMS. You will receive instructions on what to do – before any unplanned events have occurred.

Predicting parts lifetime

Additionally, analytics algorithms are used to predict the lifetime of engine spark plugs, lubricants and filters. By getting this information beforehand, you replace your consumables only when necessary, saving you time and money.

HOW PREDICTIVE ANALYTICS WORK



1. Sensor collects data from the engine and sends it to the myPlant APM



2. An analytics algorithm detects an anomaly in the engine operation.



3. You are notified instantly so you can take immediate action.



CASE IN POINT: HOW PREDICTIVE ANALYTICS HELP OUR CUSTOMERS

An INNIO customer in Western Europe has more than 50 Jenbacher gas engines connected to the myPlant APM solution. Thanks to the myPlant predictive analytics and remote issue management features, the customer saved €70,425 in technician travel costs and increased operating hours (OPH) availability by 79%—up 1,585 OPH—within a one-year period.

EVERYTHING YOU NEED AT A GLANCE

OUR myPlant APM SOLUTION GIVES YOU THE RIGHT INFORMATION AT THE RIGHT TIME FOR YOUR ENTIRE INDUSTRIAL SITE OR GAS ENGINE.



✓ **COMPREHENSIVE SITE & ASSET DASHBOARD:**

Provides important engine information at a glance with a comprehensive overview detailing operational and performance data. It shows engine information such as start success rate, operating hours, number of shutdowns and engine alarms (see dashboard image above).

✓ **IMPACTFUL PREDICTIVE ANALYTICS:**

Helps you reduce costs through automated email/mobile notifications that give you the operational data needed for early prediction of upcoming engine events.

✓ **KEY CUSTOMIZED NOTIFICATIONS:**

Customizable engine monitoring based on your business needs. Create your own notifications based on engine failure codes and operational data for user-defined monitoring.

✓ **SECURE REMOTE CONTROL:**

Allows you to manage your engine or your entire fleet without requiring onsite personnel. Get direct access to your control system to change parameters, such as power output.

✓ **MEANINGFUL DATA CONSOLIDATION:**

Merges relevant information for your business from several data sources to one platform, such as automatic integration of oil and coolant reports* from your laboratory and the latest information on emissions.

✓ **DETAILED FLEET REPORTING:**

Provides valuable insights via a simple fleet overview as well as deeper data exploration through individual reports for your connected fleet including alarms, power output and other operational data.

*Oil and coolant reports integration is available for the following laboratories: Spectro, JetCare, Polaris, MIC GSM

OUR OFFERINGS: MEETING YOUR NEEDS

WE LISTENED ... AND CREATED THREE PLANS SO YOU CAN FIND JUST THE RIGHT FIT. WHETHER YOU NEED BASIC MONITORING OR HIGHLY ADVANCED PERFORMANCE ANALYSIS AND PREDICTIVE ANALYTICS, WE HAVE THE PLAN FOR YOU.

	STARTING UP BASIC	LOWER MAINTENANCE COSTS CARE	STRONG ANALYTICS PROFESSIONAL
BASIC / ADVANCED MONITORING			
Live operating status	✓	✓	✓
Historic and live data trending		✓	✓
Alarm management and notification	Alarm management only	✓	✓
Access to all engine documents	✓	✓	✓
Mobile app	✓	✓	✓
Daily status logbooks	✓	✓	✓
Remote access to engine controller		✓	✓
Fleet management		✓	✓
Engine status notifications (SMS/Email)		✓	✓
INCREASED PRODUCTIVITY / STRONG PERFORMANCE			
Recommended maintenance* (coming soon)	✓	✓	✓
Support case management	✓	✓	✓
Predictive maintenance for spark plugs, oil and filter	Spark plugs lifetime prediction only	✓	✓
Oil & coolant quality monitoring		✓	✓
Fleet emission monitoring	Engine emission monitoring only	✓	✓
ARTIFICIAL INTELLIGENCE & PREDICTIVE ANALYTICS			
Operator analytics package			✓
Historic performance analysis			✓
User-defined monitoring			✓
On demand: Access to myPlant data via API (Application Programming Interface) service			✓

*Recommended maintenance and support case management are only available to INNIO's direct end customers.

INNIO* is a leading solutions provider of gas engines, power equipment, a digital platform and related services for power generation and gas compression at or near the point of use. With our Jenbacher* and Waukesha* product brands, INNIO pushes beyond the possible and looks boldly toward tomorrow. Our diverse portfolio of reliable, economical and sustainable industrial gas engines generates 200 kW to 10 MW of power for numerous industries globally. We can provide lifecycle support to more than 52,000 delivered gas engines worldwide. And, backed by our service network in more than 100 countries, INNIO connects with you locally for rapid response to your service needs. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, US.

For more information, visit the myPlant website at www.myplant.io or the INNIO website at www.innio.com.

Get started with myPlant

1



Scan **QR-code** or visit
www.myplant.io

2



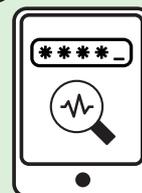
Register for the
myPlant platform

3



Access general information
or **subscribe** to one of the
myPlant plans (for plan
subscription contact your
INNIO sales representative)

4



Get your **asset connected** to
see live data and **benefit from**
asset performance features.
INNIO's technical support
team will help you!

*Indicates a trademark