



COMPRESSED AIR MANAGEMENT SOLUTION

PREDICT. PRESCRIBE. PERFORM. SUSTAIN.



With Ecoplant we bring machine intelligence to compressed air to drive energy efficiency!

Powered by



Smarter Air. **Greater Savings. Greener Future.**

At CompAir, we leverage advanced technology to optimise compressed air systems, reducing energy waste, cutting costs, and lowering CO₂ emissions.

- ✓ **Smart monitoring & Prescriptive Maintenance**
- ✓ **Low Total Cost of Ownership**
- ✓ **Automated Efficiency Optimisation**
- ✓ **Significant Energy & Cost Savings**

What is **Ecoplant**?

Ecoplant is an AI-driven brand-agnostic industrial energy efficiency solution that optimises compressed air systems. It continuously monitors, analyses, and automatically adjusts compressor operations to reduce energy waste, lower CO₂ emissions, and cut costs by up to more than 20%. The system integrates with IIoT and predictive maintenance tools to ensure:

- **Minimised outages & stable pressure**
- **ISO quality standards compliance**
- **Proactive issue detection to prevent downtime**
- **Optimised energy usage & lower costs**

Why do you need **Ecoplant**?



ENERGY & CO₂ EFFICIENCY

STAY GREEN WITH MINIMAL ENERGY & CO₂ WASTE



up to 20%
ENERGY WASTE / SAVINGS



CONTINUITY OF PRODUCTION

ELIMINATE UNPLANNED DOWNTIME



up to 50%
RISK REDUCTION ANNUALLY



MAINTENANCE OPTIMISATION

OPTIMISED EQUIPMENT TREATMENTS & EXPENSES



up to 25%
MAINTENANCE SAVINGS ANNUALLY



How does **Ecoplant** work?

Ecoplant connects to any compressed air system, using IIoT sensors and AI-driven analytics to continuously monitor performance, detect inefficiencies, and predict maintenance needs.

It dynamically adjusts compressor operations in real-time to stabilise pressure, prevent energy waste, and reduce CO₂ emissions. Through cloud-based remote access, users gain 24/7 visibility, automated alerts, and data-driven insights to optimise efficiency and lower operational costs.

Main Features at a Glance

Cloud-Based & Remote Access

- ✓ **Real-Time Monitoring** – Track your system anytime, anywhere.
- ✓ **Instant Alerts** – Get notified early to act fast.
- ✓ **Custom Notifications** – Set alerts to match your needs.
- ✓ **Boost Team Efficiency** – Respond quickly and reduce downtime.

Predictive Maintenance

- ✓ **Avoid Downtime** – Detect issues before they cause failures.
- ✓ **Save Costs** – Prevent expensive repairs and production stops.
- ✓ **Protect Equipment** – Extend machine life and reliability.
- ✓ **Run Smoothly** – Keep operations efficient and uninterrupted.

Custom Dashboard & Reporting

- ✓ **Live Data Insights** – Stay informed with real-time performance.
- ✓ **Tailored KPIs & Reports** – Focus on what matters most to you.
- ✓ **Energy Tracking** – Spot low-demand periods and optimise usage.
- ✓ **Performance Analytics** – Identify inefficiencies and improve output.

Dynamic System Control

- ✓ **AI-Driven Optimisation** – Adjusts automatically to real-time demand.
- ✓ **Energy Efficient** – Cuts waste and lowers costs.
- ✓ **Stable Output** – Maintains pressure and performance.

What are the Benefits of **Ecoplant**?

- ✓ **Energy Savings** – Reduces energy costs by **20% or more** through real-time optimisation.
- ✓ **Lower CO₂ Emissions** – Helps meet sustainability goals by minimising waste and improving efficiency.
- ✓ **Predictive Maintenance** – Prevents costly downtime by detecting issues before failures occur.
- ✓ **24/7 Monitoring & Control** – Cloud-based access lets you **manage your compressed air system from anywhere**.
- ✓ **Increased Reliability** – Ensures stable air pressure and ISO-quality standards for optimal production.
- ✓ **Seamless Integration** – **Brand-agnostic** system connects with all compressor technologies.

Ecoplant delivers smart automation, cost savings, and sustainability — transforming your compressed air system into an intelligent, efficient operation.

Ecoplant Value Proposition

Powered by

 **ECOPLANT**

How much can **you** save!

 Production Breakdown Risk	Preventing downtime with proactive maintenance. €34,000 15 Critical Alerts	Compressor Installation 4 x 160 kW ~ 640 kw peak consumption 5.600 hours per year 0,10€ / kWh
 Efficiency & Sustainability	Rectifying Identified Leaks €50,000 ~17% Energy Saving €48,000	380 MT of CO₂ Carbon Dioxide Emissions Reduction >15% Water Consumption Improvements
 Equipment & Maintenance Optimisation	Inclusive Professional Consulting €10,000 Infrastructure Optimisation €30,000	4 Quarterly Site Audits €10,000 550 Hrs Professional Labour

Expected Annual Savings*

*site dependant

up to €230,000



What are the **Ecoplant** Solutions

Features		Monitor	Optimise
	Monitoring & Advanced Analytics Engine	✓	✓
	Expert Improvement (Recommendations & Guidance)	✓	✓
	Investigation Tool (Performance & Health)	✓	✓
	Systems P&ID Map & System Performance Trends	✓	✓
	Predictive Maintenance & Remaining Useful Life Calculator	✓	✓
	Parts, Service & Consumables Cycle Reminders	✓	✓
	Compressor Alarms & Notifications	✓	✓
	System Health Status Dashboard	✓	✓
	Inefficiency Detection (Compressor & System)	✓	✓
	Energy Savings & Greenhouse Gas Emission Dashboard	✗	✓
	Sensor-less CONTROL Engine (Basic System Optimisation)	✗	✓
	Advanced Sensor Technology (System Performance & Health)	✗	✓
	Dynamic Control Engine (Full System Optimisation)	✗	✓
	Leak Detection & Isolation (Leakage Dashboard)	✗	✓
	Continuous System Auditing	✗	✓

Powered by

 **ECOPLANT**

Ecoplant Monitor
As **standard with Assure**
Service Agreements



Ensure efficiency. Reduce risk. Act with foresight.
Always Moving Forward, **Stronger Together**

Service Agreements That Go Beyond Maintenance

From Prediction to Prescription

At CompAir, service means more than just maintenance. With smart agreements like Assure, and IoT tools like iConn and Ecoplant, we offer true partnership.

✓ **24/7 Monitoring** ✓ **Data-Driven Accountability** ✓ **Proactive Optimisation**

We track not just your compressors – we track ourselves. If something goes wrong, we own it. And with real-time data, you always know what's been done and why.

- **Together, we boost reliability, efficiency and sustainability.**
- **It's not just a contract – it's a commitment.**
- **Always connected. Always thinking ahead. Always together.**

Four key benefits at a glance:

1  **Proactive insights:**
Early warning systems and smart alerts help prevent issues before they arise.

2  **Fast troubleshooting:**
Diagnostic tools combined with ASSURE maintenance enable minimal downtime.

3  **All data in one place:**
Centralised visualisation of all compressor data simplifies planning and reduces service trips.

4  **Sustainability in focus:**
Live energy reports and CO₂ tracking support your environmental and efficiency goals.



ASSURE service plans at a glance:



Preferred pricing on genuine parts, oil analysis & on-demand service – with automatic shipments or reminders included.



All-in service with risk transfer: CompAir handles scheduling, maintenance, repairs & monitoring at a fixed cost.



Proactive maintenance with diagnostics, real-time data & optional remote monitoring via Compressed Air Management System powered by Ecoplant.

Upgrade option:

OPTIMISED

Compressed Air Management

Powered by



ECOPLANT

▶ Live energy dashboard

▶ Dynamic control algorithm

▶ Leak detection & system auditing

▶ Real-time savings verification



Secure your benefits **now!**

Discover how smart maintenance and data-driven optimisation can elevate your operations.

Contact us for a no-obligation consultation.

Powered by

 **ECOPLANT**

 **CompAir**

Innovation & Engineering Excellence

A leading global manufacturer of a wide range of world-class compressed air solutions, CompAir is dedicated to providing a complete solution for our industry partners. From the latest advances in oil-free and oil-lubricated technologies to a complete range of downstream equipment, air treatment and accessories.

An extensive network of dedicated CompAir sales companies and premium partners across all continents provide global expertise with a truly local service, ensuring our advanced technology is backed up with the right support.

CompAir has consistently been at the forefront of compressed air systems development, culminating in some of the most energy efficient and low environmental impact compressors on the market today, helping customers achieve or surpass their sustainability targets.

CompAir compressed air product range

ADVANCED COMPRESSOR TECHNOLOGY

Lubricated

- Rotary Screw
 - Fixed and Regulated Speed
- Portable
- Vane

Oil-Free

- Water Injected Screw
 - Fixed and Regulated Speed
- Two Stage Screw
 - Fixed and Regulated Speed
- Ultima®

COMPLETE AIR TREATMENT RANGE

- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

MODERN CONTROL SYSTEMS

- CompAir DELCOS Controllers & Monitoring
- SmartAir Master Plus Sequencer
- iConn – Smart Compressor Service
- Ecoplant

VALUE ADDED SERVICES

- Professional Air Audit
- Performance Reporting
- Leak Detection

LEADING CUSTOMER SUPPORT

- Heat Recovery
- Assure Service Agreements
- Custom Engineered Solutions
- Local Service Centres
- Genuine CompAir Parts and Lubricants



CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.

Request a Demo
ecoplant@compair.com