



PROTECT YOUR INVESTMENT & SAVE MONEY WITH **THE HIGHEST PERFORMANCE LEVELS**

ENJOY TOTAL PEACE OF MIND FOR YOUR PROJECT WITH INGERSOLL RAND AFTERMARKET SOLUTIONS. EXPERT ENGINEERS THAT SUPPORT YOU TO ENSURE THE HIGHEST EFFICIENCY AND SAFETY OF YOUR CUSTOM AIR & GAS COMPRESSORS



REQUEST A QUOTE

Engineered Systems and Services
www.ingersollrand.com/custom-air-and-gas-solutions

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AGENDA

WITH US, YOUR PROJECT WILL BE IN THE BEST POSSIBLE HANDS.

BROWSE THE BROCHURE & DISCOVER THE FULL RANGE OF INGERSOLL RAND AFTERMARKET SERVICES!

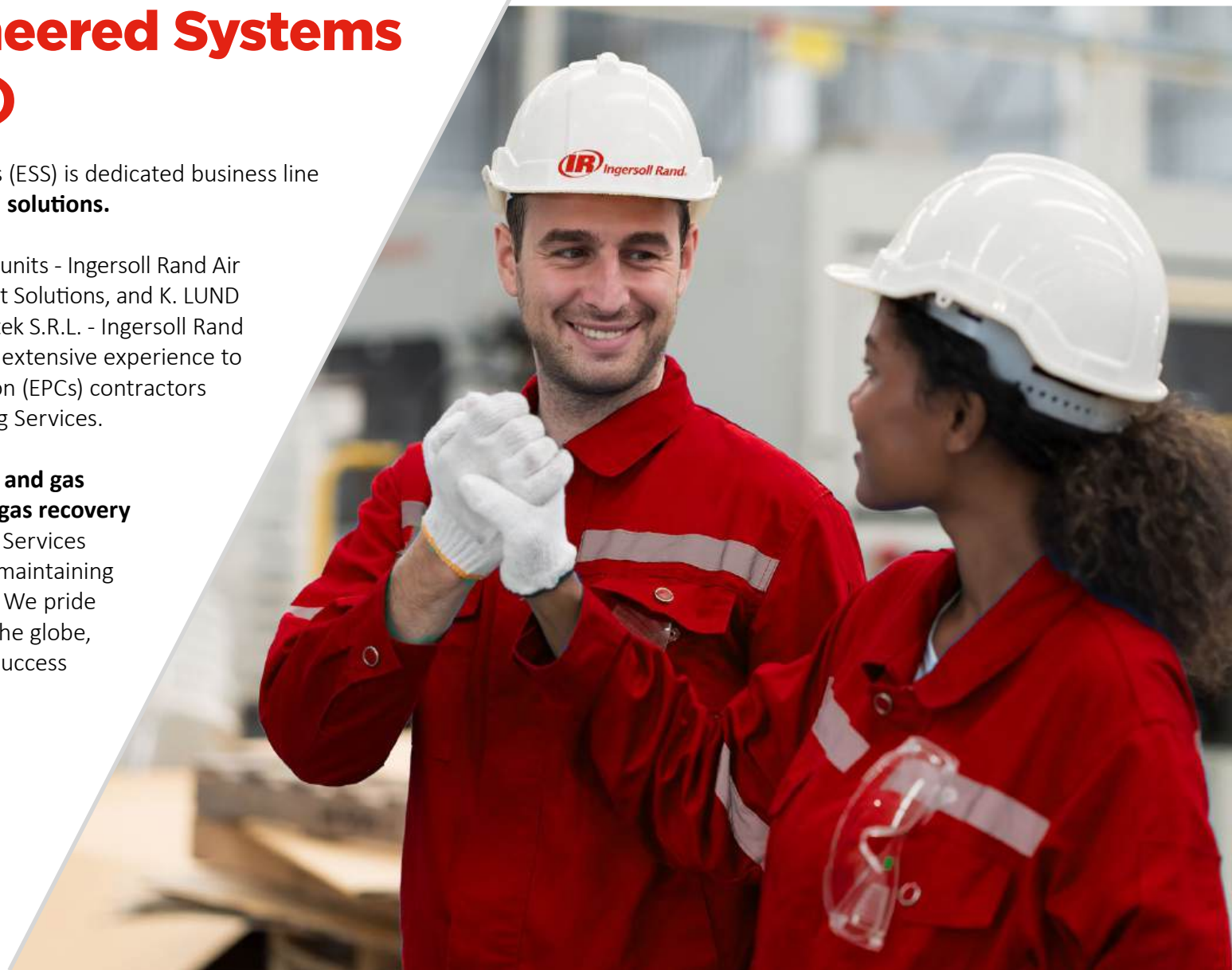
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Welcome to Engineered Systems and Services (ESS)

Ingersoll Rand's Engineered Systems and Services (ESS) is dedicated business line to providing market-leading, **custom-engineered solutions**.

Formed from a merger of five renowned business units - Ingersoll Rand Air & Gas Solutions, Ingersoll Rand Engineering Project Solutions, and K. LUND Offshore, Reavell, Bellis & Morcom, Mako and Blutek S.R.L. - Ingersoll Rand Engineered Systems and Services (ESS) leverages extensive experience to serve Engineering, Procurement, and Construction (EPCs) contractors and other firms in need of specialized engineering Services.

With a portfolio that includes state-of-the-art **air and gas compressors, dryers, nitrogen generators, and gas recovery Systems**, Ingersoll Rand Engineered Systems and Services (ESS) is committed to pioneering innovation and maintaining the highest standards of engineering excellence. We pride ourselves on managing intricate projects across the globe, employing cutting-edge technology to drive the success of our customers.













Aftermarket Services Benefits

CUSTOM MAINTENANCE PLANS WITH MULTIPLE BENEFITS

Our dedicated team of expert engineers and technicians provides the highest levels of care and attention, from routine maintenance, breakdown & repairs, and redesigns to genuine spare parts, preventive maintenance, and tailored service agreements. The benefits you can get:

WHAT YOU CAN GET:

 <p>Highest Performance</p>	 <p>Maximum Efficiency</p>	 <p>Lower Maintenance</p>	 <p>Lower Cost of Ownership</p>	 <p>Maximized Uptime</p>
 <p>Longer Life Expectancy</p>	 <p>Predictive Diagnostics</p>	 <p>Genuine Parts at Preferred Pricing</p>	 <p>Trained Technicians</p>	 <p>Global Presence</p>

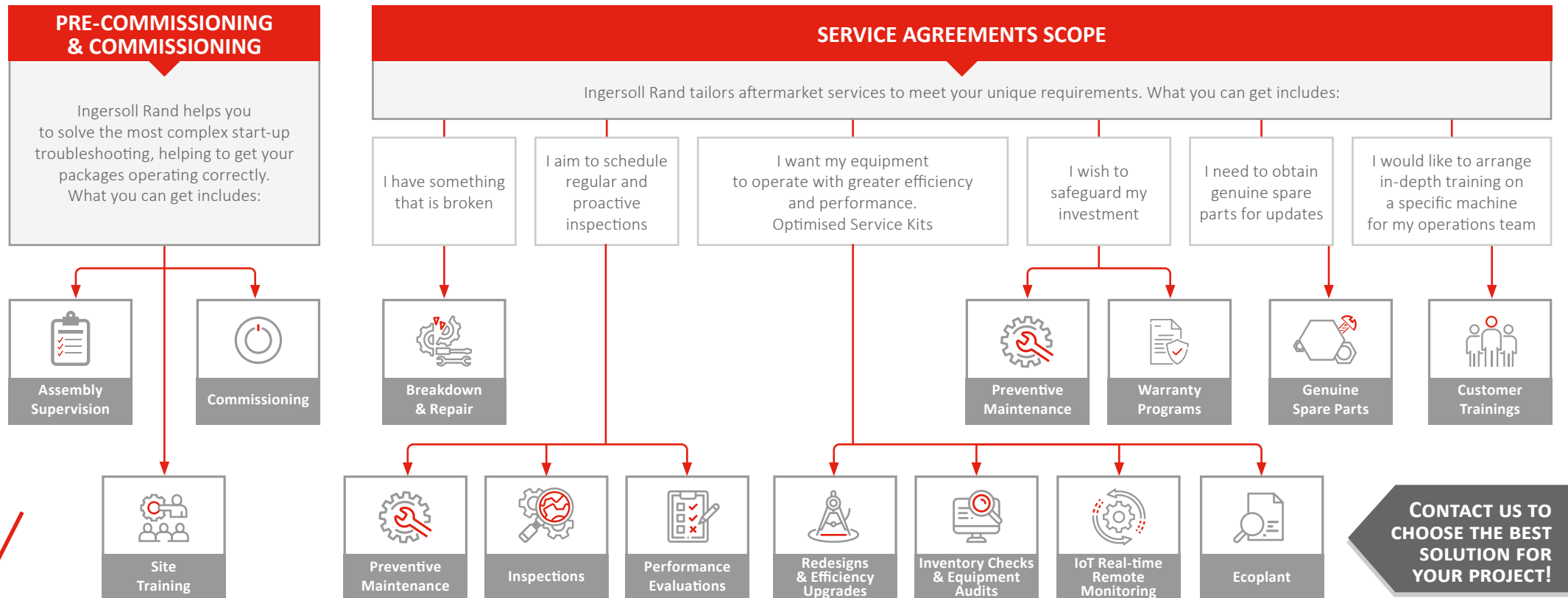


CARE SERVICES PROGRAM

Custom Maintenance Plans

RUN SMARTER WITH A BETTER PLAN!

The Ingersoll Rand **PlannedCARE diagnostic and maintenance service program** gives you a more cost-effective plan for scheduling and executing all required equipment services over the course of a year. Our plans can be tailored to **your specific project needs with access to a wide range of service scopes.**



CONTACT US TO CHOOSE THE BEST SOLUTION FOR YOUR PROJECT!



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CARE SERVICES PROGRAM

Choose a Plan That's Right for Your Operation

Our industry-leading service solutions allow you to choose the program that best matches your business needs.

	Preferred OEM Parts Pricing	Equipment Inspection & Diagnostics	Scheduled Maintenance Service	Operational Risk Transfer
 Package CARE™ A fixed cost, no surprises service agreement designed to eliminate the inconvenience associated with maintaining and servicing your compressor.				
 Planned CARE™ A cost-effective plan for scheduling and executing all required compressor services over the course of a year.				
 Parts CARE™ A service program that includes automated shipments of, or reminders to, deliver OEM parts at an agreed upon price, to keep the compressor operating as efficiently as possible.				

To learn more about a CARE services program that is right for you, contact your Ingersoll Rand representative or visit our website today.

Contact an Ingersoll Rand CARE Expert TODAY



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A Quick And Efficient Response With Long-Term Benefits

BREAKDOWN & REPAIR

Unplanned machine stoppage can lead to costs linked to a delay in productivity. Conducting a thorough root cause analysis is essential to ensure optimal machine functionality. **Thanks to our vast experience and the access to all the technical equipment specifications of your custom machine, we can typically establish the cause of problems quickly.**



OUR TEAM PROVIDES:



Perform a detailed machine inspection



Complete restoration & optimization for your application



Offering of a range of repair and upgrade options, allowing you to select the course of action that best suits your budget and needs

GET THE BENEFITS OF BREAKDOWN & REPAIR:



Quick turnaround time for repair



Restore factory performance & reliability



Incorporate safety & performance upgrades

Preventive Maintenance Plans

PREPARE AND PREVENT

Compressed air is critical to your operation. To avoid unplanned, unbudgeted downtime and production interruptions, while reducing operating costs, having the proper maintenance strategy established is essential.

Ingersoll Rand's Preventive Maintenance Plans offer a range of services tailored to your machine and application requirements. **These plans include overhauling and replacing critical components or parts, as well as field technician's inspections to identify potential issues that could affect your production.**



OUR TEAM PROVIDES:



Machine overhaul



Spare parts order and intervention planning



Inventory checks & equipment audits



Detailed reporting and advice per service intervention



Recommendation of a tailored maintenance plan for your specific application and site conditions



Priority Status Guaranteed



Hassle-Free Scheduling for Parts and Service

GET THE BENEFITS OF PREVENTIVE MAINTENANCE PLANS, INCLUDING:



Lowest total cost of ownership



Increased uptime



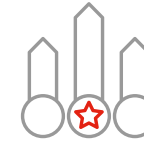
Minimum unplanned costs



Maximum performance



Ensure structural, operational & piping integrity



Priority Status Guaranteed



Increased Efficiency and Product Life

Redesign & Efficiency Upgrades

SAVE MONEY AND MEET NEW CAPACITY OR PROCESS REQUIREMENTS

Whether your requirements for compressed air, nitrogen, or oxygen have changed, or if you are in search of state-of-the-art performance from already installed compressors, **Ingersoll Rand offers a variety of redesign, refurbishment, reconditioning, and efficiency upgrade options that can enhance operating efficiency.**

Our Centers of Excellence enable us to provide full diagnostic evaluations and recommend maintenance programs designed to restore or boost your existing machine to its highest optimal operating and efficiency performance levels.



OUR TEAM PROVIDES:

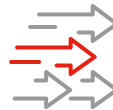


Machine redesign & upgrades



Onsite commissioning & training

GET THE BENEFITS OF REDESIGN & EFFICIENCY UPGRADES:



Productivity boost



Enhanced efficiency



API, ATEX, ISO, NORSOK compliant upgrades
& other certificates



More safety



Cost savings avoiding new purchasings



Performance Evaluation

THE PROCESS TO BETTER PERFORMANCE

Regardless of the analysis you choose, the outcome remains the same: **you get a team of highly-skilled service professionals collaborating with you to identify the best ways to optimize your compressed air system.** This involves a performance evaluation to determine the most suitable type of assessment for you before incurring any expenses.

ELIMINATE THE GUESSWORK

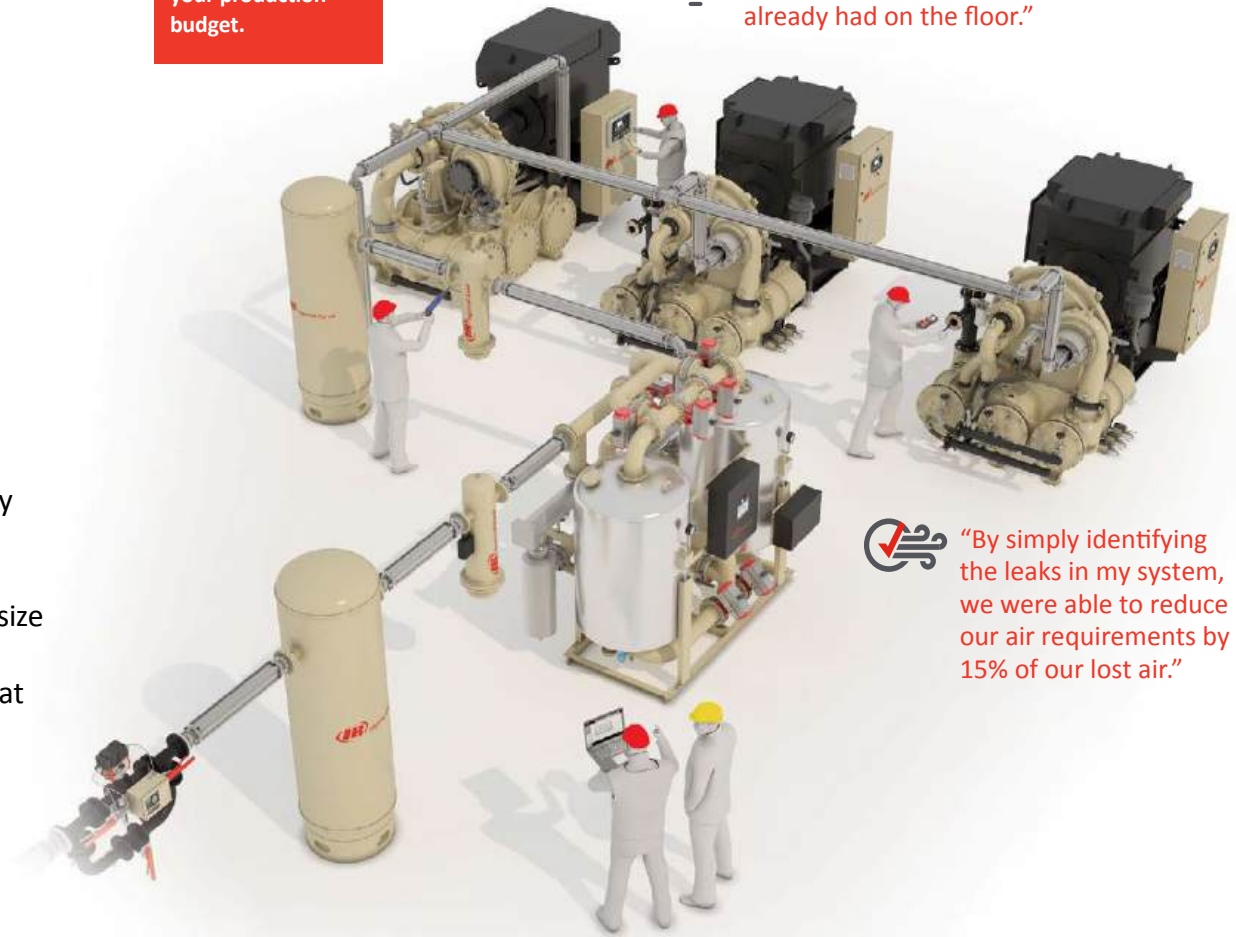
Regardless of the analysis you choose, the outcome remains the same: **Improve production performance and lower your operating costs by understanding where and how to fix your system inefficiencies.**

Common problems typically found in our assessments include oversized compressors, inappropriate air treatment, intermittent peak events that drive supply response, or overstated pressure requirements that lead to artificial demand.

Make informed decisions that meet your production budget.



“We reduced our energy consumption by 24% just by optimizing what we already had on the floor.”



“By simply identifying the leaks in my system, we were able to reduce our air requirements by 15% of our lost air.”



“A full system assessment gave us the knowledge to choose equipment for our expansion, with a 20% improvement in operating efficiency.”

Installation & Commissioning

THE START OF A LONG RELATIONSHIP

Our experienced commissioning engineers are at your service on site, setting up your machine to achieve peak functionality.

Thanks to their comprehensive understanding of the machinery and its controls, our expert engineers not only prioritize safety but also optimize performance to the highest standards.

The commissioning process transcends a simple transfer of equipment ownership; it signifies the start of a long partnership. Our Aftermarket team, having been involved from the very beginning, stands as the premier option for continuous service support. This includes everything from Preventive Maintenance to redesign & efficiency upgrades, ensuring your machine's longevity and efficiency.



OUR TEAM PROVIDES:



On-Site Expert Support
During Machine Start-Ups



Full Commitment Until The Equipment
Operates Seamlessly



Safe & Technically Sound Start-Up
To Initiate Warranty



Official Certification Of Completion
And Handover To The Customer



Customer Trainings

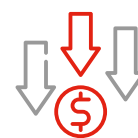
GET THE BENEFITS OF PREVENTIVE MAINTENANCE PLANS, INCLUDING:



Highest performance levels



Enhanced efficiency



Cost savings avoiding new purchasings



More safety

Genuine Spare Parts & Lubricants

PROTECT YOUR INVESTMENT

Genuine Ingersoll Rand genuine spare parts and lubricants **ensure that compressor and nitrogen packages ensure reliability and efficiency are maintained at the highest standards.**

Only original Ingersoll Rand spare parts fulfill the stringent manufacturing standards needed to **guarantee the safety and uninterrupted uptime of your equipment, as well as maintain your warranty.**

Even if our equipment was installed years ago, our experts can efficiently address your service requirements with the correct parts.



GET THE BENEFITS OF GENUINE SPARE PARTS:



Extended Equipment Life, Even Under Arduous Conditions



Parts Manufactured Within the Strictest Quality



Maximum Efficiency – “As Designed”



100% Compatibility



Maximized Plant Uptime



Minimal Losses Contributing to Energy Savings



Maximum Safety



Extended warranty Coverage



Lower total cost of ownership

Optimised Maintenance Service Kits

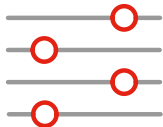
SAVE MONEY WITH ONE PACKAGE

Maintenance service Kits are available to help keep your compressor performing at an optimal level and are an integral part of factory-recommended annual maintenance.

We can assure you that, although each machine's service requirements may differ, our service kits maintain the same high standards of quality and reliability that you expect from any Ingersoll Rand compressor, dryer, or nitrogen generator. **Each kit contains 100% verified Ingersoll Rand parts, ensuring your warranty remains intact and providing peace of mind to our customers.**



Highest Performance



Helps your Machine Perform at an Optimal Level



Reduces the Risk of Damage to Expensive Compressor Components



Maximizes Plant Uptime



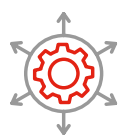
Reduces Lead Time and Costs



Maximum Safety



100% Compatibility



Includes All necessary Parts for Annual Maintenance



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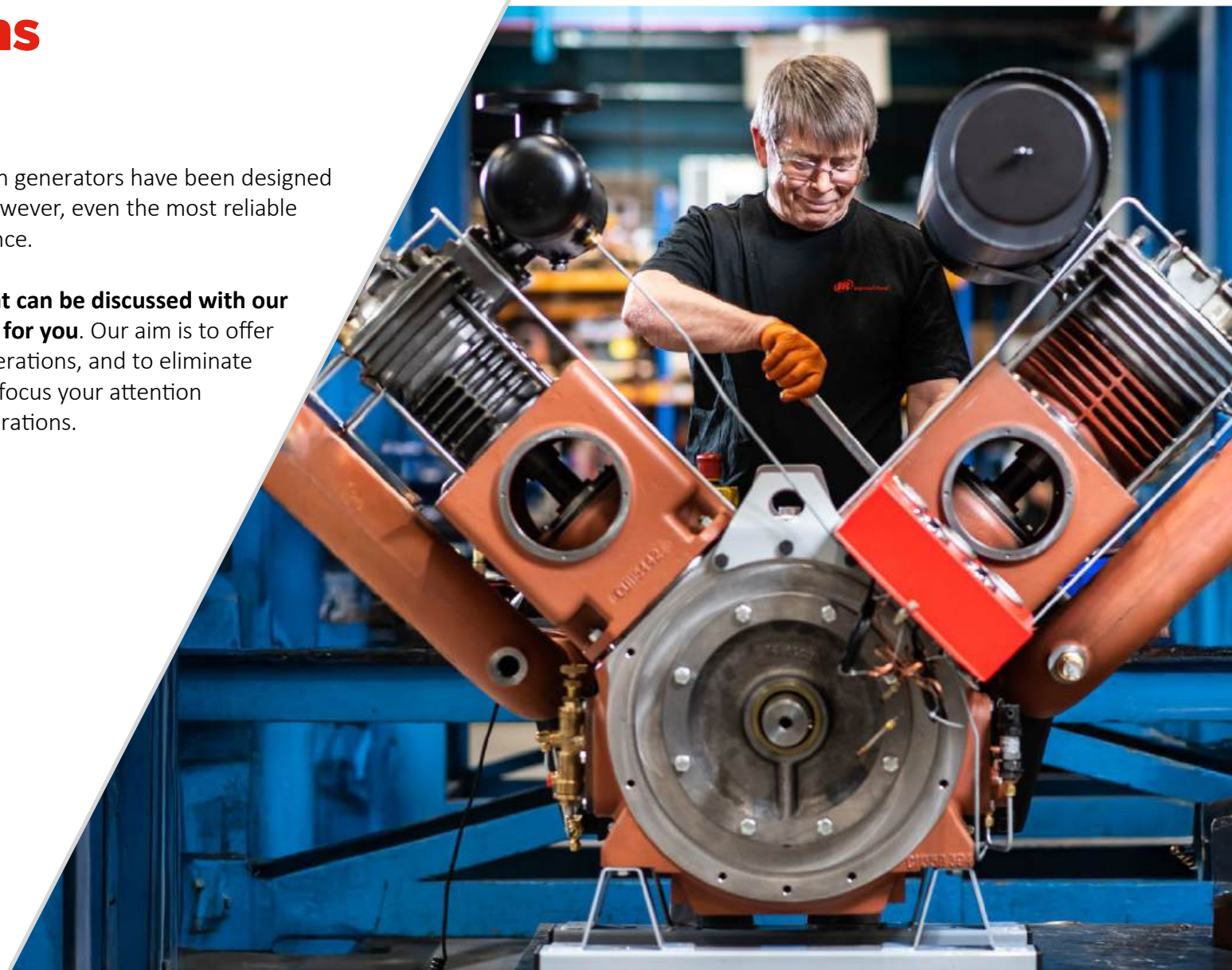


Warranty Programs

MAXIMIZING SERVICE UPTIME

Ingersoll Rand's compressors, dryers and nitrogen generators have been designed to provide many years of trouble free service. However, even the most reliable products require regular servicing and maintenance.

We offer bespoke extended warranty plans that can be discussed with our team as part of a preventive maintenance plan for you. Our aim is to offer complete peace of mind for your compressor operations, and to eliminate the risk of any unforeseen costs, so that you can focus your attention and any future investment on your plant and operations.



Comprehensive control at your fingertips

Ingersoll Rand's control systems enable you to manage your compressed air and gas systems with ease, enhancing system reliability and improving efficiency. The system information and notifications help you identify increased demand or system malfunctions, allowing you to continually optimize the compressed air solution, **granting you complete control at your fingertips.**

Our compressor control systems can **help you visualize and optimize performance, which can reduce waste, lower energy consumption, and save you money.**



FEATURES

- Remote monitoring and control
- Event history and diagnostics
- Complete integration of PLC (programmable logic controller)
- Designed for harsh and hazardous environment
- Meet international standard codes
- Enhanced by including safety integration level (sil) and system redundancy

GET THE BENEFITS OF CONTROL SYSTEMS:



Integrated according to project specifications



Reduced maintenance costs



Easy to use



Energy Savings



Improved air quality



Improved safety

IloT Real-time Remote Monitoring

HELIX™ CONNECTED PLATFORM: REAL-TIME MONITORING

Helix™ Connected Platform monitors supply compressed air users with comprehensive machine data in real time, which is required for precise production planning, maximum operational uptime, and to protect your investment.

Utilizing the technological advancements IloT (Industrial Internet of Things) and I4.0 (Fourth Industrial Revolution) provide, Helix allows you to receive data and alerts from a cloud-based platform to your PC, tablet, or smartphone. **This makes operational efficiency simple by keeping you connected and reducing your costs.**



FEATURES

- Advanced remote analysis
- Real-time knowledge about air systems
- Evaluates historical data
- Predictive maintenance

GET THE BENEFITS OF HELIX™ CONNECTED PLATFORM:



Maximize uptime



Cost savings



Maximises energy efficiency



Highest air quality



More safety



Works to an open standard - easily support compressed air products from other manufacturers

EcoPlant

KEEP YOUR PLANTS RUNNING LONGER WHILE SPENDING LESS

EcoPlant™, in collaboration with Ingersoll Rand, is a machine learning compressed air monitoring and control network that **optimizes utility operation to achieve peak efficiency of compressed air generation.**



EcoPlant™ is a cloud-based SaaS platform that integrates with your compressed air system **to increase energy efficiency and reduce factory downtime.**

LEARN MORE ABOUT ECOPLANT



FEATURES

- Brand agnostic solution connects to all compressed air technologies
- Machine learning control for energy efficiency and predictive maintenance
- 24/7 Continuous monitoring and unlimited data logging
- Manage your air system from anywhere in the world

GET THE BENEFITS OF ECOPLANT™ CLOUD-BASED MONITORING AND CONTROL:



Positive cash flow
on day 1



Reduce your energy
costs



Prevent unplanned
downtime



Optimized production
changes—dynamic control



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Global Presence

In addition to our general manufacturing and sales offices based service engineers, we have a global footprint. Our dedicated service engineers ensure swift support and peak performance in line with our exceptional quality standards wherever you are.



Sales office:

- Vignate (Italy)
- Coslada (Spain)
- Stavanger (Norway)
- Gorle (Italy)
- Redditch (England)
- Dubai (United Arab Emirates)



General Manufacturing:

- Vignate (Italy)
- Coslada (Spain)
- Stavanger (Norway)
- Buffalo (US)
- Wujiang (China)
- Naroda (India)
- Gorle (Italy)
- Redditch (England)



How to contact us



Online enquiry

