



# Performance Services

Compressed Air System Optimization



# Optimized Air: Pure and Simple

The core of your operations depends on reliable compressed air, and running your system efficiently is easier than you think. Whether you need to better understand how your system performs, improve operating costs or plan for a future expansion, Ingersoll Rand Performance Services gives you the insights you need to fully optimize your system.

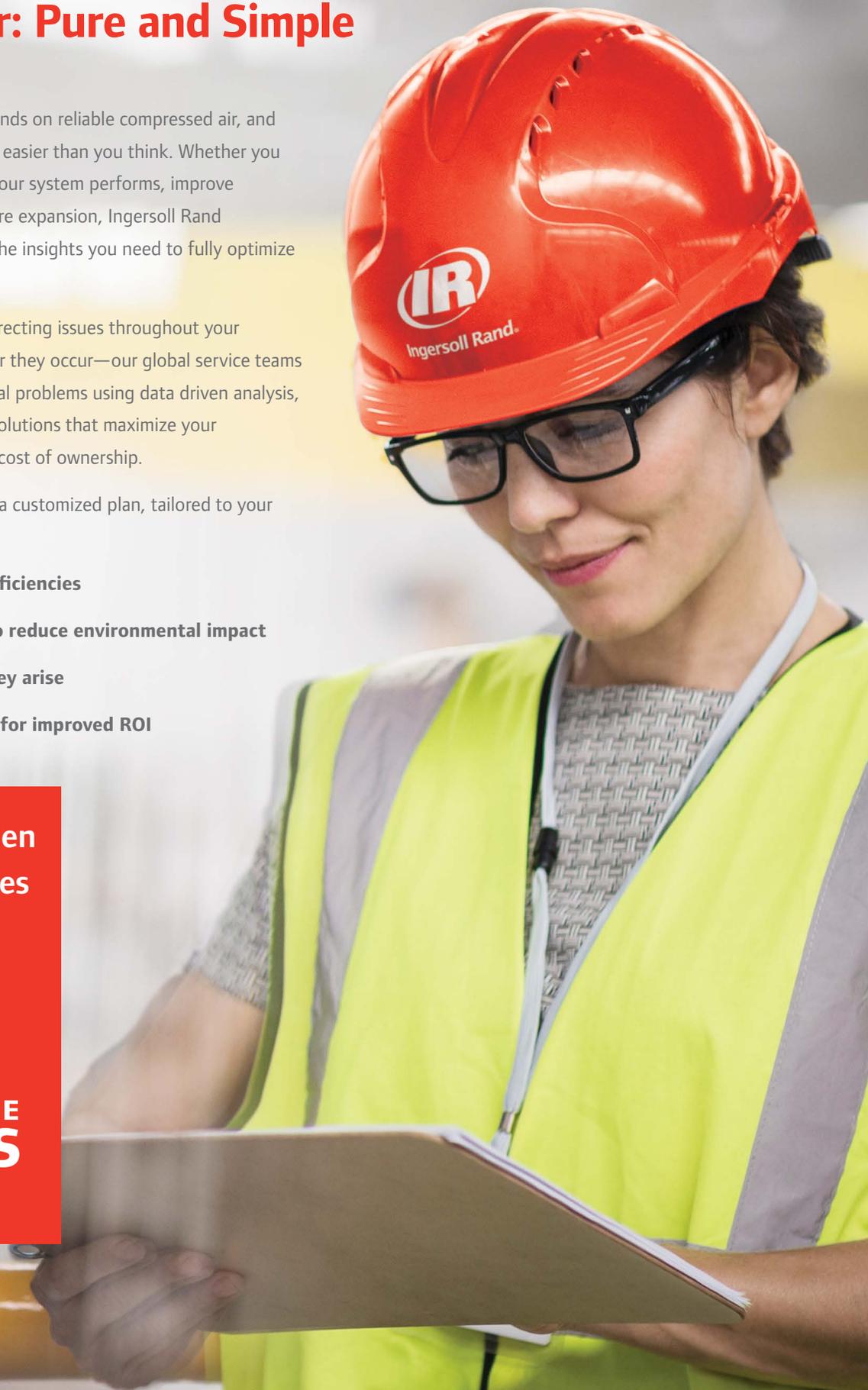
By identifying, analyzing and correcting issues throughout your compressed air system—wherever they occur—our global service teams uncover root causes to operational problems using data driven analysis, then recommend cost-effective solutions that maximize your profitability and lower your total cost of ownership.

Our data-driven analysis delivers a customized plan, tailored to your facility's needs, that helps to:

- Address current system inefficiencies
- Improve energy efficiency to reduce environmental impact
- Identify problems before they arise
- Provide big picture insights for improved ROI

Uncover the hidden performance issues across your compressed air system

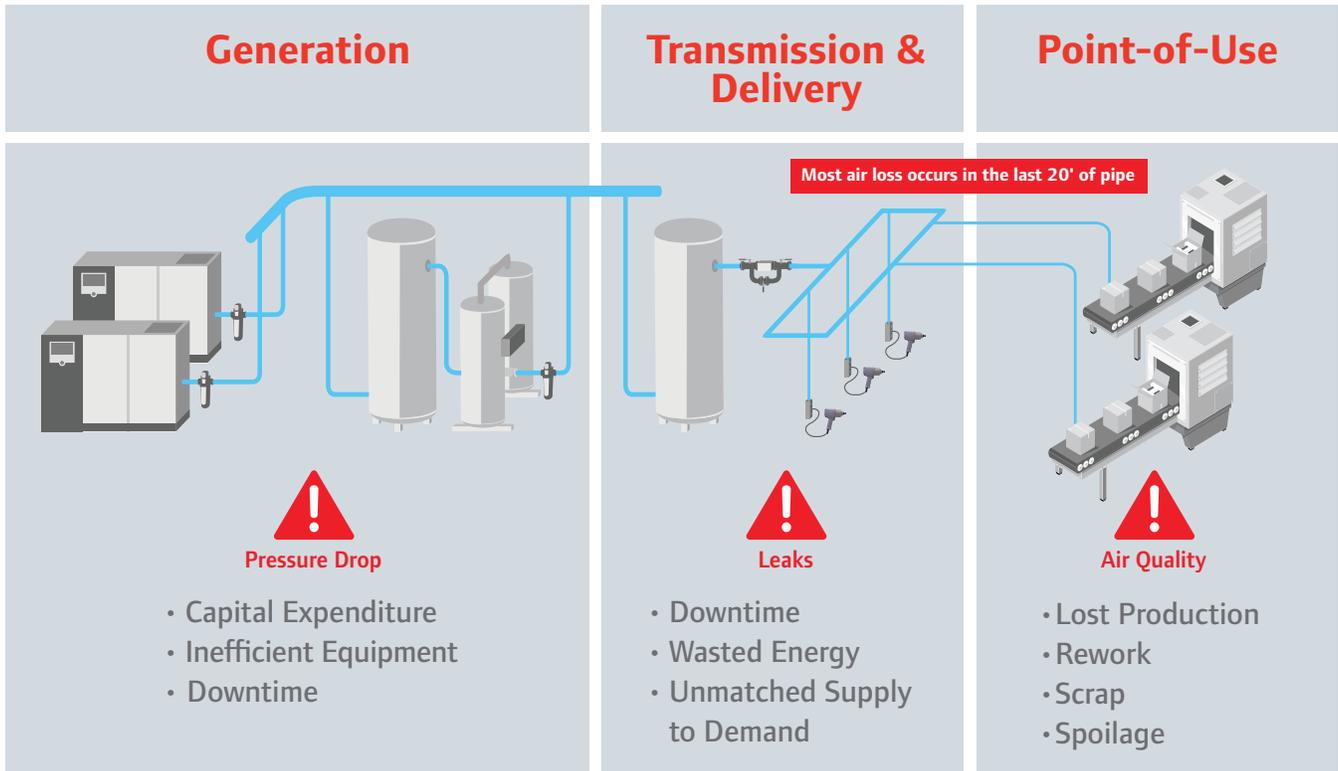
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# Why You Need Performance Services

From generation and transmission to delivery and point-of-use, a drop in system performance means reduced efficiency and productivity. Ingersoll Rand's complete set of air system assessment tools use data-driven methods that identify system pitfalls to map the way to optimize system efficiency. Quite simply, it ensures your facility has a reliable supply of high-quality compressed air...from generation to point of use.

## Inefficiencies can occur in every facet of your manufacturing process.



*The benefits you will receive from our Performance Services are:*

### Track System Performance

Software-based or via manual inspection, our assessment tools use historical evidence and real-time data to identify shortfalls in operation to improve current performance and better plan for future requirements.

### Increase System Efficiency

Properly match your supply with demand to use air resources more effectively. Based on your production needs, increase overall productivity by reducing leaks and other system inefficiencies.

### Improve Production and Reduce Waste

Minimize oil, moisture and other contaminants within a system or application for stable, continuous and high-quality air that reduces waste.

# Eliminate the Guesswork

Improve production 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.”*

# Customized Analysis Matched to Your Needs

Whether you need to manage costs, increase reliability or plan for future growth, our portfolio of assessment tools will provide you with detailed diagnostics that give you the proper insights to help lower total cost of ownership (TCO).

Achieve Up to

**15-50% Savings**

We can help optimize your operation and lower your TCO



## Electronic Assessment

- Analysis of compressor performance, energy use and air flow
- Identify improvements based on current requirements
- Recommendations for optimizing current air supply and controls
- Priority based on ROI and reliability factors



## Air Leak Assessment

- Identify and tag leaks
- Determine air loss impact using advanced leak detection tools
- Calculate costs associated with leaks and repairs
- Prioritize leaks based on severity and ROI



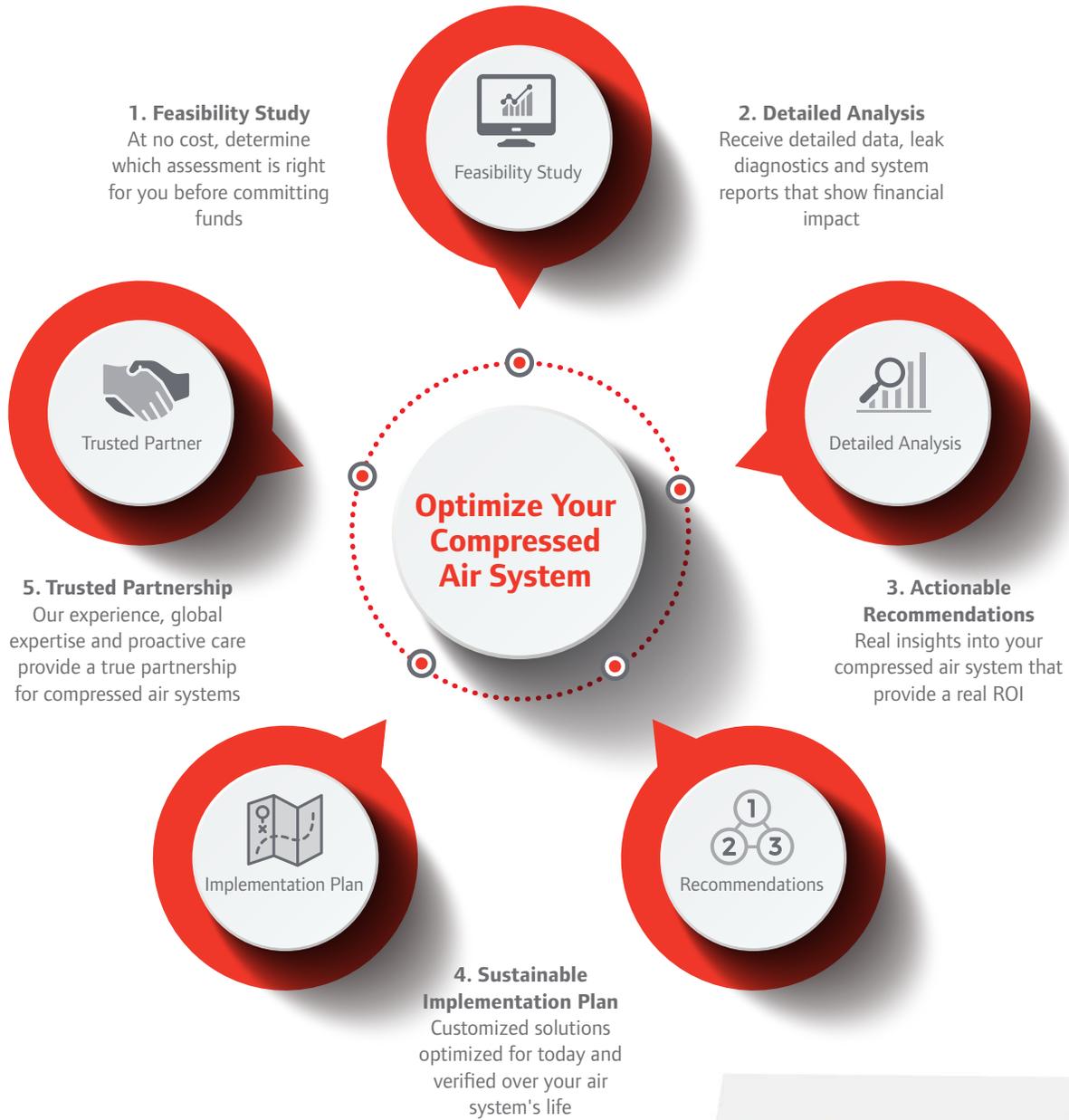
## System Assessment

- Customized, comprehensive analysis based on your needs
- Addresses specific and recurring problems in your facility
- Recommendations based on ROI and lowering TCO
- Plans for current and long-term requirements

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# The Process to Better Performance

Regardless of the analysis you choose, the result is the same. You get a team of highly-skilled service professionals working with you to find the best ways to optimize your compressed air system. This includes our complimentary visual evaluation. With this evaluation, **you'll receive a recommendation on what type of assessment is right for you before any expense is incurred.**



# Knowing where to start is easy, when you have the right path. Answer these few, simple questions to start your system optimization journey.

## Over the next 6 months, I need to:

- a.  Address known repairs within my compressed air system
- b.  Address known leakage within my compressed air system
- c.  Increase productivity and reduce waste across my entire operation

## Within 12 months, I need to:

- a.  Develop a plan to improve efficiency and control costs
- b.  Prioritize compressed air leaks and related costs as well as implement corrective action
- c.  Enhance the value of compressed air in our manufacturing process

## Our long-term compressor strategy includes:

- a.  Optimizing efficiency across multiple compressors
- b.  Maximizing our existing infrastructure
- c.  Build out an expanded system to meet future needs

## Are you currently experiencing:

- a.  Pressure drop from the compressors
- b.  Air leaks in our system
- c.  Loss of production due lack of compressed air flow

## My overall ROI is measured in:

- a.  Energy savings
- b.  Optimized air flow
- c.  System efficiency

## My immediate needs are to:

- a.  Improve and correct system efficiency
- b.  Address on-the-floor issues
- c.  Prepare to meet impending growth

## If your answers are:

**Mostly As:** Start with an IntelliSurvey Analysis to obtain actionable system data and analysis

**Mostly Bs:** Use an Air Leak Assessment to identify current inefficiencies

**Mostly Cs:** Conduct a full System Assessment to establish a growth plan as well as optimize current system resources



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