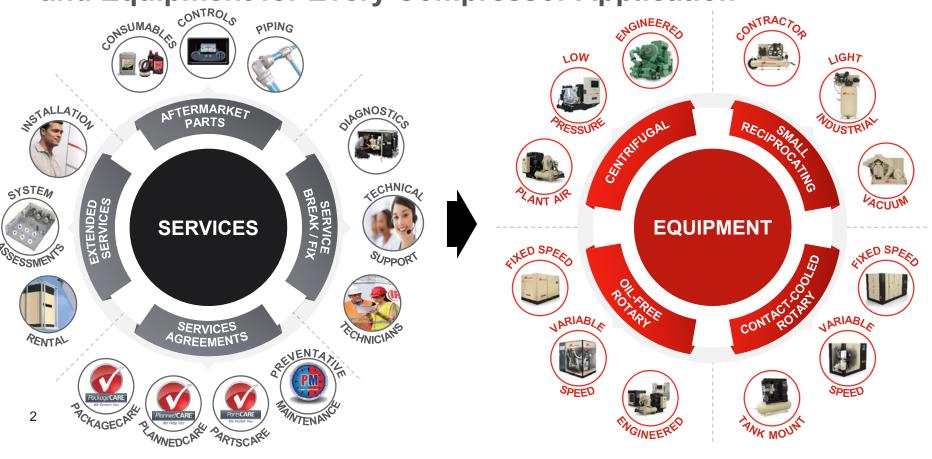


Helix[™] Connected Platform Smart Connected Compressors



We Provide a Complete Offering of Services and Equipment for Every Compressor Application



HELIX

Our Global Service Experts Ensure Your Facilities Are Efficient and Reliable

Our Mission

Stay Connected to 100% of Our Customers for Life

CARE Service Programs

Compressed Air Systems maintenance plans... to keep your system running.







Introducing Helix

Helix Connected Platform will be responsible for connecting, monitoring and providing insights to our customers, to prevent costly downtime and enhance our ability to serve you better.

The four primary Helix features include:

- · Real-time remote monitoring
- Customer access to dashboards
- · Service alerts, notifications and reminders
- Application and asset insights







Digital Initiative programs

PackageCARE Remote Monitoring

 Remote monitoring is being added to all PackageCARE assets globally and monitored by a 24/7 anomaly detection team

Customer Value

- Significant reduction in mean time to repair with increases in zero or firsttime trip resolution
- Introducing predictive maintenance to prevent some downtime events of occurring.

Factory Shipping Remote Monitoring

 Remote monitoring will be added to compressors as a factory-standard feature

Customer Value

- Real-time data of your compressors can be accessed via the new customer portal.
- Ingersoll Rand can provide applicationspecific recommendations such as suggest parts recommendations.





How does Helix work?



Embedded inside all new compressors as a factory-installed standard feature and integrated into PackageCARE[™] assets.



Remotely monitors your assets using a cellular signal and collects realtime data into our new customer portal.



Service alerts, notifications and reminders are based on your specific use of your asset.



Uses machine learning and analytics capabilities to deliver insights based specifically on your applications.



Integrates with customer portal to provide asset information and real-time notifications to the asset's manager.

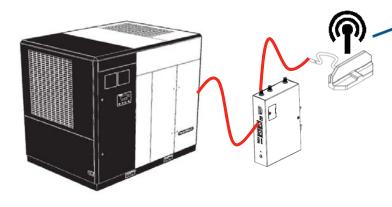


Physical Component architecture

 Edge Device is connected to equipment via TCP/IP Modbus

 Networked to the Cloud via Cellular communication









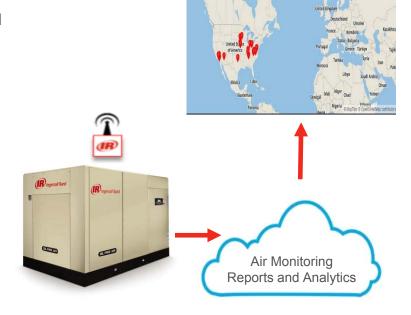
PackageCARE™ Helix Enabled

Full-Risk Transfer Service Agreement

- PackageCARE™ represents the greatest value for asset management by transferring operational risk to Ingersoll Rand
- We are responsible for scheduled maintenance as well as resolve any unexpected interruptions in your production

How do our digital capabilities add new value

- Anomaly Detection- Experts perform real time monitoring of your asset, 24 hours a day to create an immediate link from our technicians to the right information
- First Time Resolution Significant reduction in mean time to repair with increases in remote resolution and first-time technician resolutions
- Predictive Analytics Identify problems before they occur and dispatch a technician before the machine trips or shuts down
- Preventative Maintenance perform maintenance based on conditions and run hours, not the calendar. Our insight determines the right time to service the machine to reduce unnecessary maintenance and unplanned downtime





Service Support

- Service Portal
 - Dashboards
 - Reports
 - Notifications
 - Trending / Root Cause analysis







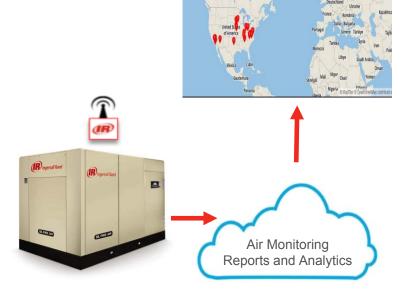
Factory Installed Helix Capability

What are we doing?

Remote monitoring installed on compressors shipped from our factories

Value to customers

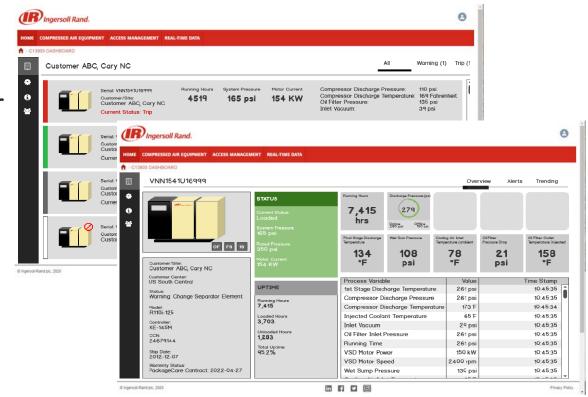
- Real-time remote monitoring allows you to see exactly what is happening with your assets.
- Customer dashboards and reports that you can access anywhere and anytime.
- Service alerts, notifications and reminders enable prompt responses to problems.
- Application and asset insights to maintain optimal asset performance.





Example Customer Portal Dashboard

- Ability to access information about your compressors
 - Dashboards
 - Reports
 - Notifications





Discussions and Questions







