



## Who We Are

As a subsidiary of John H. Carter Company, ControlWorx provides expert product knowledge, maintenance, diagnostic services, and highly-specialized solutions for valves, actuators, automation systems, as well as other critical assets and instrumentation. ControlWorx takes pride in not only helping you with quick troubleshooting and problem identification, but also providing assistance for long-term care with preventive maintenance and a best-practices approach for a safe, reliable operation.

## In The Reliability Space

Through the Process Solutions Group at John H. Carter Company, ControlWorx is able to provide full-service mechanical consulting and predictive services for rotating equipment like pumps, compressors, fans/blowers, turbines, and more. Whether it be for new projects or helping a plant run and maintain, our team has the expertise and analytical tools to get the job done right.



### Project Services

FEED

Construction Package

Cabinet Design & Fabrication

Configuration

FAT

Install

I&I

SAT

Startup & Commissioning

Handover

### Run & Maintain

Oil Lab

Alignment Support

Balancing

Thermography

Routes

Root Cause

FMEA

Spares

Consulting

Motion Amplification

Piping / Structural Vibes

ODS

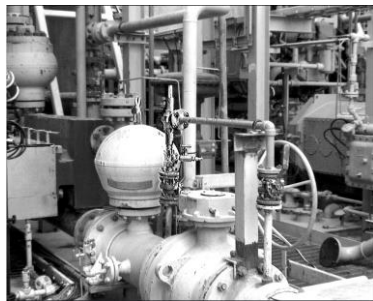
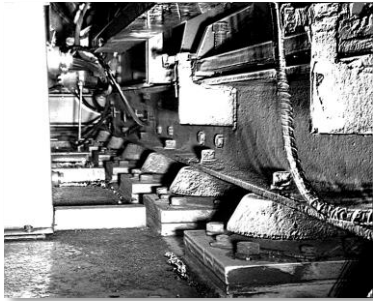
Recip Analysis

Dynamic Pressure Studies

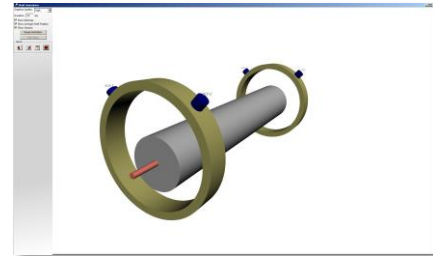
...To Ensure A  
Safe, **Reliable**, Operation.



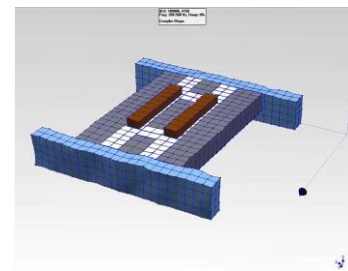
### Movement Analysis via High-Speed Camera



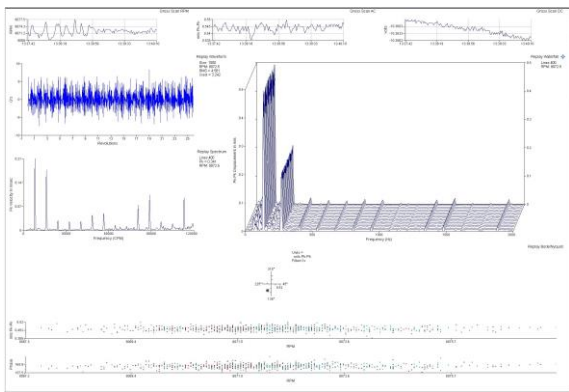
### 3D Animation s of Shaft Movement



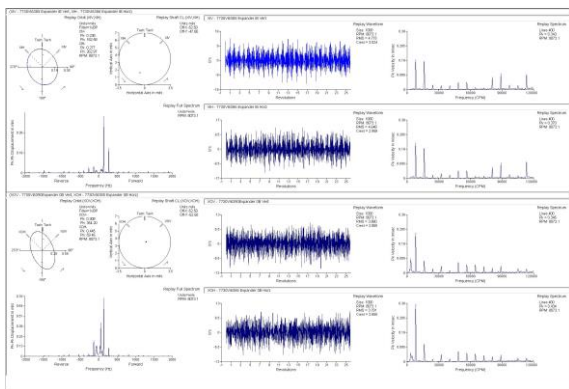
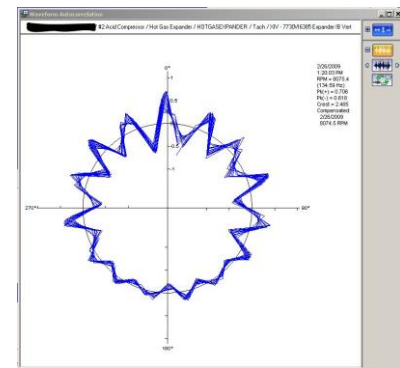
### 3D Animation s of Operating Deflection Shape



### Transient Data Readings ( Single & Dual Probes)



### Waveform Autocorrelation



### In-House Oil Testing Lab (7+ Types of Analysis)

