

THE MACHINE MDs ARE IN THE BUILDING...

Optimizing health
and performance
of mission-critical
assets with the
industry's most
innovative portfolio
of engineering,
maintenance,
and testing services

631.445.7814
prelectusa.com



PRELECT

Our Proven Process

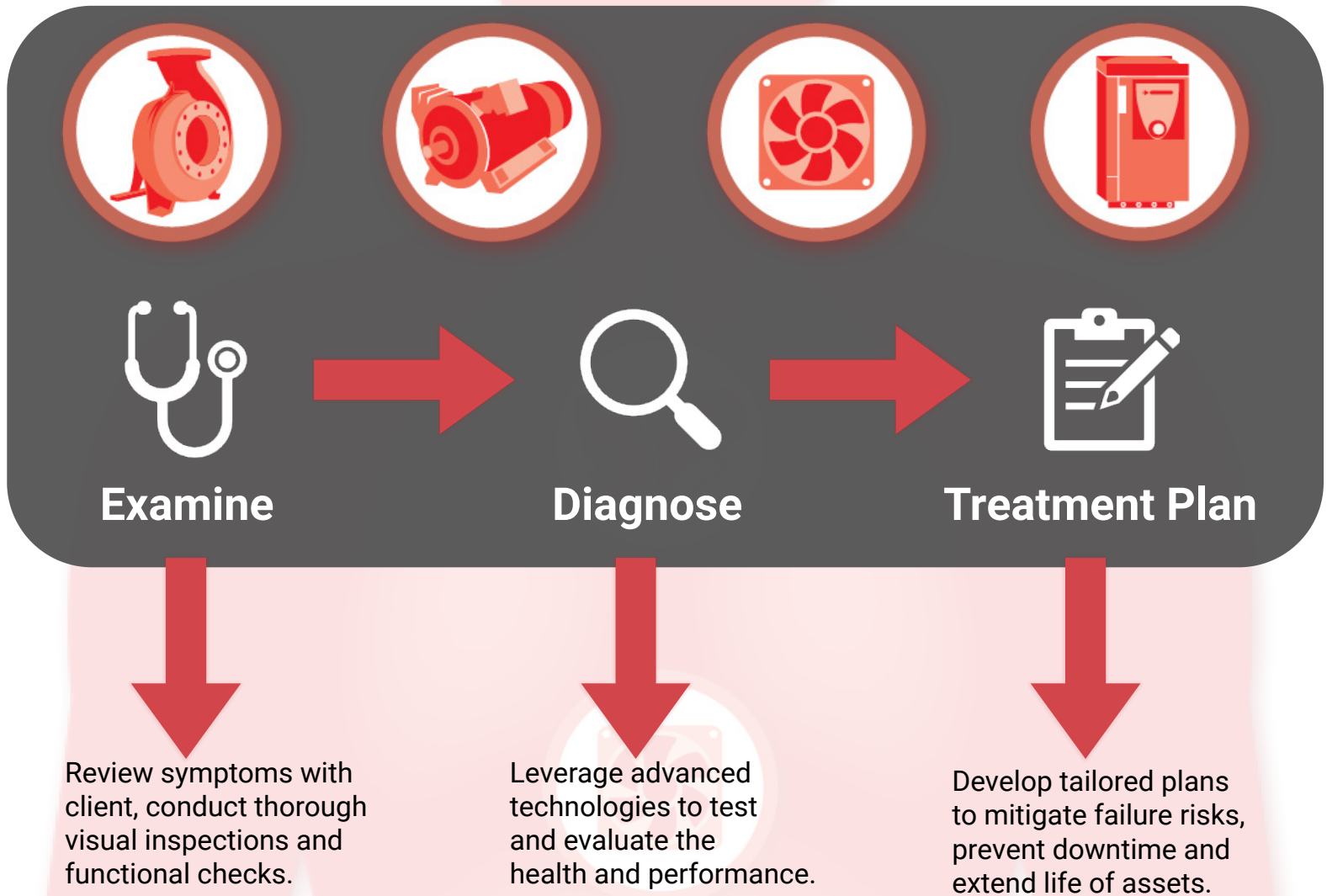
Think of your facility as a body.

The equipment within it is its organs. The piping and ductwork are its circulatory system, and the cabling is its nervous system.

Your job is to keep everything running at 100%, 24/7/365 days

When something's wrong with one organ, the rest of the body is affected. We take a holistic approach to diagnosing, rehabilitating, and healing based on our experience and understanding of mechanical systems.

Just like a check-up for the human body, we treat your mission-critical assets with care and precision. Using advanced technology, we assess the condition of your machines and create tailored treatment plans to extend their life, reliability, and maximize performance.



PREVENT + DETECT = PRETECT

Just like a periodic check-up with your doctor, **PRETECT** Machinery Health Experts examine, diagnose, and create tailored treatment plans for your mission-critical assets.

Our mission is to care for your assets as if they were our own, ensuring they operate at 100% peak performance, 24/7, 365 days a year.

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PRETECT

Services We Provide

ENGINEERING

- LEED/Enhanced Commissioning & Retro-Commissioning
- Building Inspections
- Life Cycle & Single Point of Failure Analyses
- Forensic Engineering
- MEP Emergency Response Services
- MEP Project Management
- Transition to Operations (Procedure Development & Training)
- Arc Flash, Coordination, & Short Circuit Studies
- Shut-Down Scripts and Execution
- HVAC & Refrigeration Optimization and Controls
- Steam Surveys & Jackets
- LED Lighting and Controls
- Cogeneration
- Sustainable Alternative Energy Consulting

TESTING

- Vibration Analysis
- Motion Amplification®
- Infrared Scanning
- Ultrasonic Analysis
- Motor Circuit Analysis
- Critical Speed Analysis & Programming
- Isolator Load Deflection Testing
- Advanced Coherence Testing
- Mechanical Inspection
- Alignment Verification
- Isolation Verification
- Air & Water Flow Verification
- Pre-Functional & Acceptance Testing of New & Rebuilt Equipment
- Building Envelope Performance Analysis
- Certified Harmonics Reduction Consulting

CORRECTIVE ACTION

- Certified Air and Water Balancing
- VFD Preventative Maintenance
- VFD Troubleshooting
- VFD Motor Failure Analysis
- VFD Harmonic Mitigation
- VFD Application Design Consulting
- VFD Installation and Repairs
- Dynamic Balancing
- Precision Laser Alignment
- Isolator Adjustments
- Spare Parts Feasibility Studies
- Mechanical Repairs, Rebuilds, and Parts
- Vibration Switches & Sensors Installation

Online Service Request Form

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PRETECT is a trusted partner for engineering, testing, and maintenance services.



About PRETECT

Since 2016, we've been partnering with leading companies nationwide to support Property Management, Mission-Critical, and Industrial facilities. Our solutions focus on preventing failures and identifying optimization opportunities.

With over 35 years of expertise in mechanical systems, diagnostics, troubleshooting, and vibration analysis, we ensure your operations run smoothly and efficiently.

Locations

New York, Boston, Washington DC, Florida, California and wherever the job takes us!

Industry Expertise

Commercial Real Estate | Data Centers | Engineering Firms
 Energy | Financial Services | Hospitals | HVAC Contractors
 Mechanical Contractors | Mission-Critical | OEM (Original Equipment Manufacturers) | Property Management
 Universities | Water & Waste Plants

Certifications



PRETECT is proud to be a member of these outstanding unions



PRETECT is equipped with advanced technologies, expert technicians, and proven processes to monitor and maintain the health of your mission-critical assets. **Call today to schedule services!**



Reliability Services
 critical speed analysis | infrared vibration analysis | ultrasound



Motion Amplification®
 video based vibration analysis



Cloud Monitoring
 remote machine health monitoring



Corrective Action Services



Engineering | Commissioning
 Acceptance Testing Services



Certified Air and Water Balancing



VFD Preventive Maintenance
 and Troubleshooting

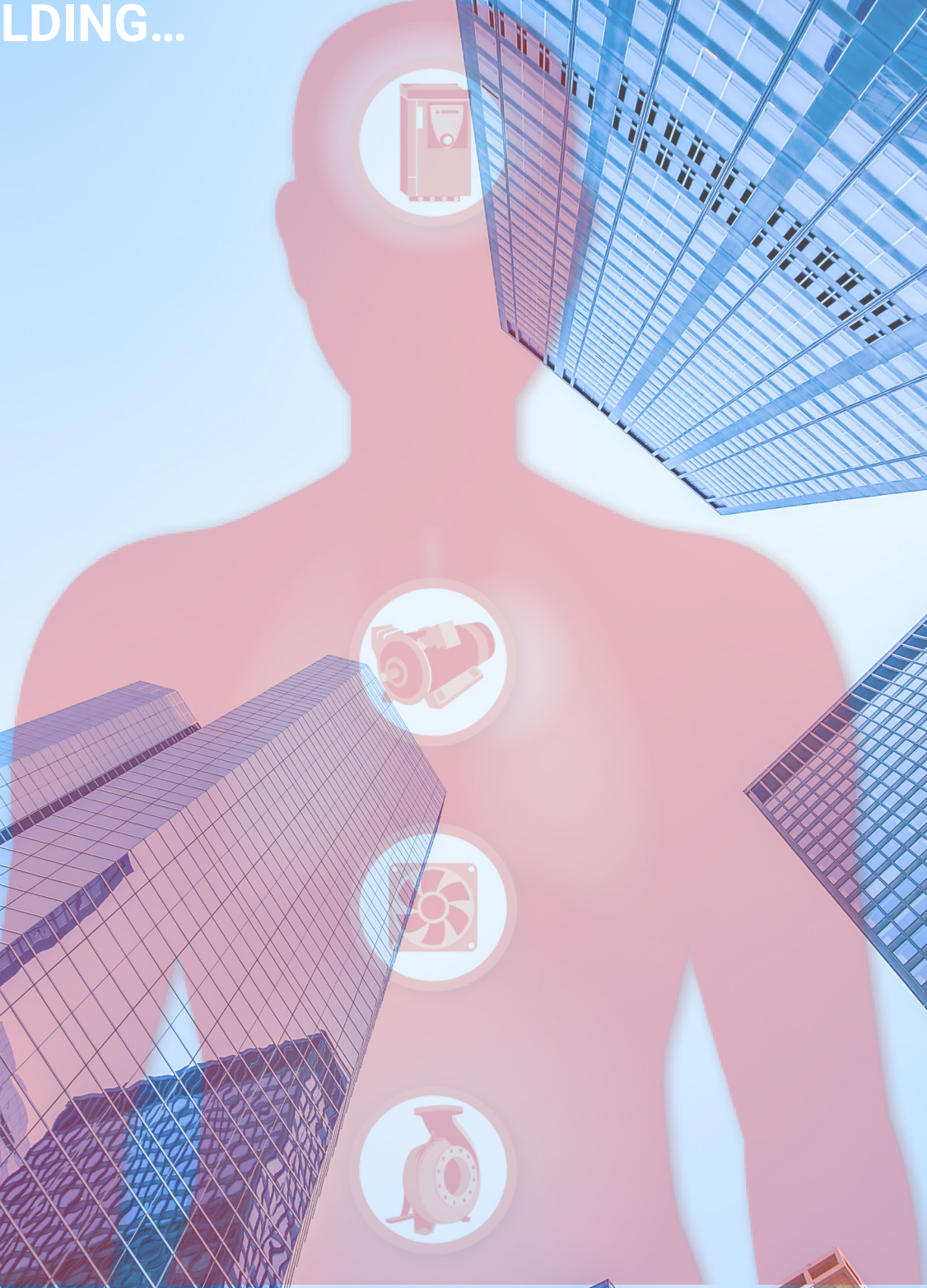
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