



Production Outcomes. Delivered.

User-Validated Outcomes

- 99.99% equipment availability guarantee
- Up to 2% energy reduction per unit

Digitalization for

**IMPROVED
PRODUCTION
RELIABILITY**



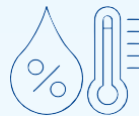
Monitoring Applications *that nobody else can!*

While monitoring standard applications is straightforward, the true challenge lies in monitoring critical applications where readily available solutions are scarce. Infinite Uptime, leveraging its continuously powered piezoelectric sensing technology, excels at diagnosing faults even in the most demanding scenarios.



Elevated Temperatures

Battery-based MEMS sensors are not suitable for high-temperature applications.



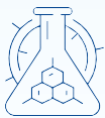
High Humidity

Battery-based sensors suffer from self-discharge issues in humid conditions due to Lithium-Ion batteries.



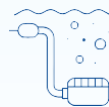
Low & Variable Speed

Low Monitoring low-frequency, slow-speed industrial machinery demands specialized sensing and processing capabilities.



Corrosive Environment

In chemical factories, fertilizer units, and additive manufacturing plants, sulfur and nitrogen oxides frequently corrode sensors designed to protect equipment, rendering them ineffective.



Submerged Applications

Thanks to the hermetically sealed piezoelectric technology, bearing locations submerged in fluid—such as those in vertical turbine pumps, pulper machines, and gearbox bearings—are easily monitored by Infinite Uptime.



Explosive Atmospheres

Infinite Uptime's Condition Monitoring system is now certified for use in hazardous/explosive atmospheres, complying with ATEX, IECEx, and PESO standards for Zone 0.

Countries

26

Service and delivery network that transcends geographies

Production Sites

801

Improving reliability across all industry verticals

Monitoring Locations

44,936

Monitoring all rotating equipment in any given condition

Additional Production Hours Delivered

70,495

Logged by users who followed suggested corrective actions



Infinite Uptime

All Industries

Infinite Uptime uses advanced analytics and interconnected data to surface actionable insights. These empower intelligent, data-driven decisions, driving continuous improvement and optimizing performance, cost, and risk.



All types of Mechanical faults diagnosed

Instantly get notified when a potential malfunction is spotted, along with a detailed analysis of the issue and recommendation on steps to prevent it.



| | | |
|---------------------|----------------------|-----------------------|
| Bearing Wear | Belt wear | Loose stator windings |
| Lubrication faults | Cavitation | Beats |
| Rotor eccentricity | Imbalance | Damaged rotor bars |
| Stator eccentricity | Friction or shear | Turbulences |
| Pulley wear | Gear eccentricity | Shaft eccentricity |
| Pump recirculation | Pipe deformation | Blade passage |
| Misalignment | Rotor gearing | Resonance |
| Gear wear | Excessive vibrations | Loose rotor bars |

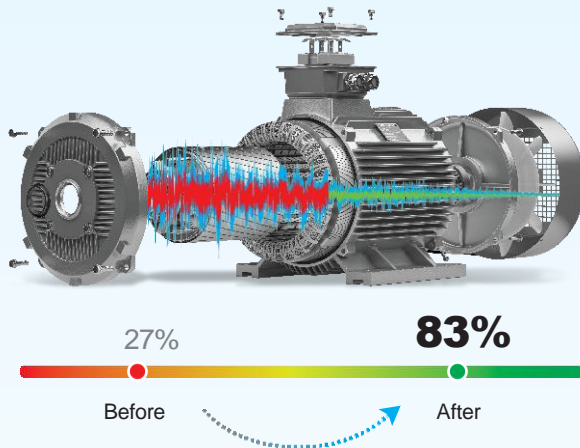


Production Reliability Suite

Equipment Diagnostics

For manufacturing plants, downtime can have a huge impact on the business. A fault in a single machine could halt the production line. For plants that operate around the clock, that time can never be recovered. Managing a plant can be labour-intensive and prone to missing crucial signals.

Health Score



Realtime 24x7 Monitoring

Machine behaviour and process conditions can change rapidly. Infinite Uptime ensures round-the-clock monitoring of your assets, leaving no room for missed changes in machine behaviour.

Corrective Actions and Improvement Verification

After implementing the recommended corrective measure, users can assess its effectiveness by comparing the machine's health score before and after the action. This provides valuable insights into the impact of the intervention.

The entire solution serves as a single source of truth for your plant's condition and equipment performance, accessible to all users—from the shop floor to the top floor.

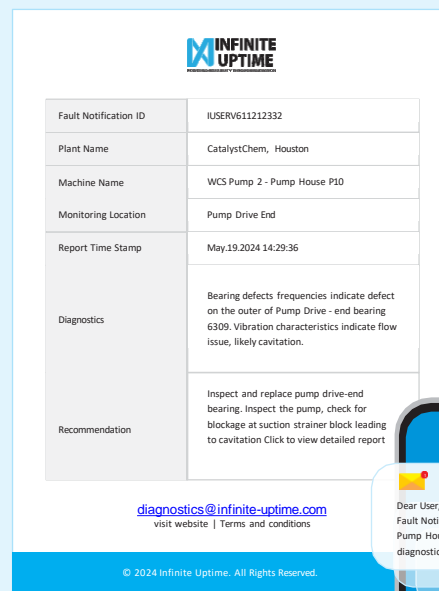
ODR

Observation, Diagnostics and Recommendation generated for any machine running in fault condition gives a clear understanding to the asset owner of why the problem occurred and what should be the corrective action.

Additionally, a health score indicates the severity of the fault, allowing users to prioritize their response effectively.

Notifications

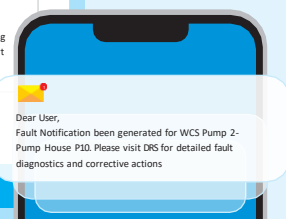
In addition to the dashboard notification, users receive real-time email and message notifications to keep them informed about any problems. This ensures timely awareness and enables swift action.



| INFINITE UPTIME | |
|-----------------------|---|
| Fault Notification ID | IUSERV611212332 |
| Plant Name | CatalystChem, Houston |
| Machine Name | WCS Pump 2 - Pump House P10 |
| Monitoring Location | Pump Drive End |
| Report Time Stamp | May 19, 2024 14:29:36 |
| Diagnostics | Bearing defects: frequencies indicate defect on the outer of Pump Drive - end bearing 6309. Vibration characteristics indicate flow issue, likely cavitation. |
| Recommendation | Inspect and replace pump drive-end bearing. Inspect the pump, check for blockage at suction strainer block leading to cavitation. Click to view detailed report |

diagnostics@infinite-uptime.com
visit website | Terms and conditions

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99.99%
Accuracy

Precise fault diagnosis you can rely on

Payback
In < 40 days

Swift ROI for your plant operations

+22%
Productivity
Gains

Operate equipment at max performance

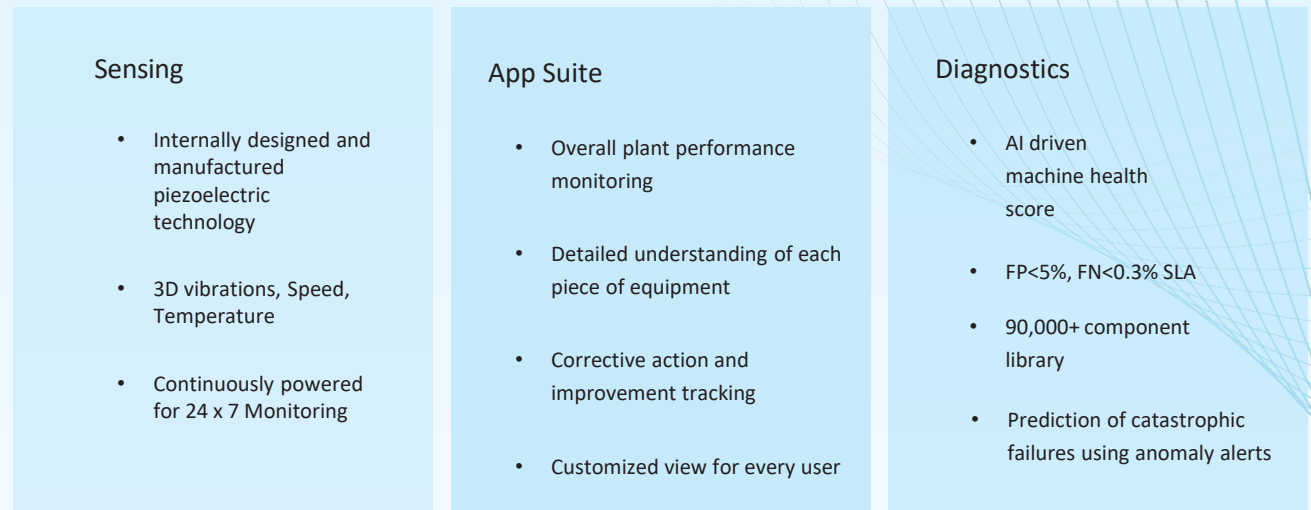
-27%
Less PM
Costs

Extend asset life and cut maintenance costs

Complete Ownership

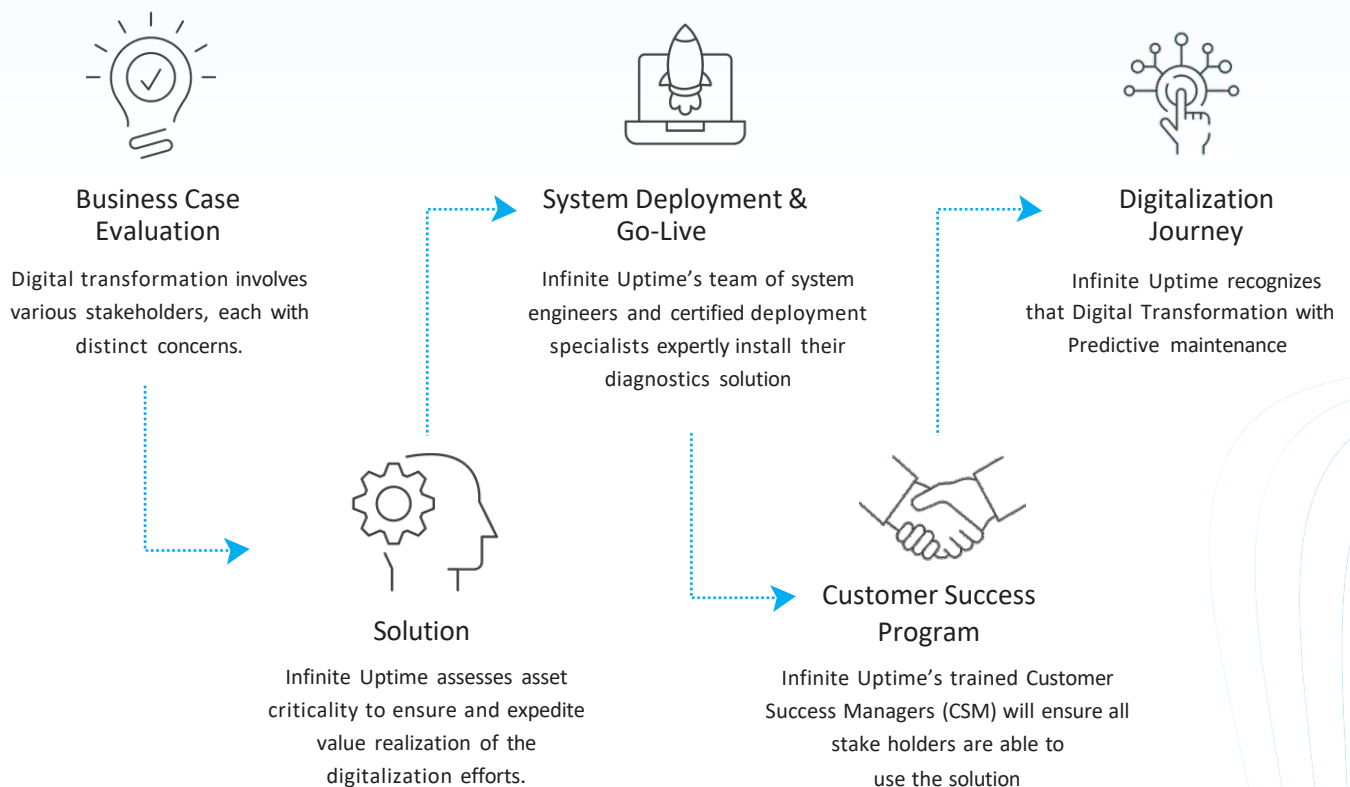
Sensing to Diagnostics

Ownership of Outcome | SLA Bound | Offered as Monthly Service



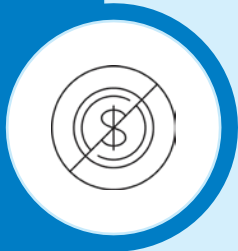
Complete Ownership

Engineering to Outcome



Why choose Infinite Uptime

At the heart of Infinite Uptime is our commitment to your purpose. That is why we have pioneered Production Reliability Suite offering the following unique features:



Zero Capital Investment

Conventionally, enterprise-wide Condition Monitoring technology has been looked at as expensive. Meaning it can take years before companies realize a return on their investment. This has kept many organizations from investing in Predictive maintenance.

Infinite Uptime's Production Reliability Service allows organizations of all sizes to benefit from our predictive technology without the initial investment. It also gives your organization the ability to scale up the predictive maintenance program rapidly and easily in response to technology adoption and operational benefits.



Guarantee of Outcome

Infinite Uptime establishes a Service Level Agreement (SLA) with all its users, guaranteeing precise diagnostics and superior service for improved equipment and process uptime. Currently, it has secured SLAs with hundreds of plants, consistently providing top-tier diagnostic services year after year.

If any user is dissatisfied with Infinite Uptime's Production Reliability Services, they can invoke SLA violation and request contract termination. Infinite Uptime will cease services and remove the deployed system at no extra cost to the plant users.



24x7 Piezoelectric Sensing

For decades, piezoelectric sensing has been the preferred technology for spectral analysis of rotating equipment by experts worldwide. However, scaling it up for enterprise-wide automated condition monitoring has always been prohibitively expensive and unexplored. Instead, the industry has seen an influx of low-cost battery-operated MEMS sensors, which are limited in accuracy and capability.

Infinite Uptime, with its unique ability to manufacture piezoelectric sensors and integrate them with IoT infrastructure, now enables accurate, reliable, and continuous 24 X 7 monitoring of any rotating equipment under varying ambient conditions.



AI Copilot Nity

Nity, the AI-Copilot developed by Infinite Uptime, is an integral part of the Production Reliability Suite. Designed for every manufacturing professional, Nity engages in human-like conversations and provides expert assistance.

It's capabilities include:

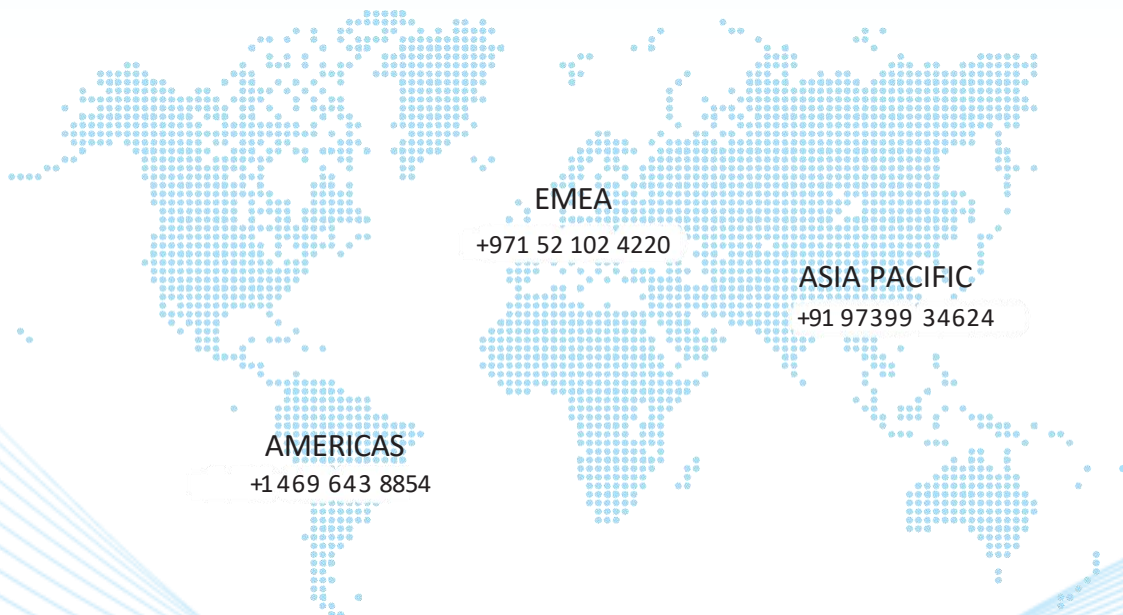


- Automatically monitoring machine condition
- Generating reports
- Providing corrective actions and work instructions

Nity allows factory teams to consume performance metrics instantly. This makes it easier to track machine condition, assign priorities to corrective actions and improve overall plant reliability.



Let's create great Possibilities Together



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