# Nexscient



# Company Overview

**Nexscient to unlock the transformative power of artificial intelligence by harnessing the foresight and precision of data and technology.**

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**The Company intends to become a leading purveyor of solutions that empower businesses through AI and digital realization.**

Nexscient is a development stage company that is building a Software-as-a-Service (SaaS) platform for predictive maintenance that uses Industrial Internet of things (IIoT), artificial intelligence (AI), and cloud computing technologies.

The Company intends to leverage IIoT, AI, and cloud computing technologies to offer subscription-based services that continuously monitors equipment health. By gathering real-time sensor data and applying rule-based logic alongside machine learning algorithms, Nexscient's platform aims to generate actionable insights to help reduce equipment failures, avoid unplanned downtime, lower maintenance costs, and improve productivity.

# Key Considerations

- Nexscient is developing a software platform delivered via subscription that uses Industrial IoT devices, machine learning algorithms, and cloud analytics to diagnose equipment conditions continuously.

- The company's remote monitoring service solution includes wireless sensor nodes that mount on machines to collect and transmit real-time operating data paired with a cloud-based diagnostics.

- Unlike systems requiring technicians to periodically gather machine measurements manually, Nexscient provides constant automated data harvesting without needing integration with IT & control networks.

- By offering monitoring via a software subscription, Nexscient avoids the large upfront capital expenditures users face when purchasing hardware/software and services from existing suppliers.

# Bringing Predictability to Industry

Nexscient Leverages Breakthrough Technologies to Unlock New Levels of Operational Insight

## Predictive Maintenance Programs

SaaS solution leverages AI and cloud analytics to monitor equipment conditions, predict failures, and prescribe remedies.

## Rapid Time to Value

Cloud-based platform and plug-and-play sensors on-board within minutes without technical complexity.

## Eliminating Upfront Capital Costs

Nexscient's subscription model provides monitoring hardware and software as turnkey managed service to customers.

## Ever-Smarter Reliability Forecasts

Sensor data trains algorithms to achieve increasing equipment failure prediction precision over time.

## Purpose-Built Edge Sensors

Wireless beacons with embedded acoustics, vibration and temperature sensors are non-invasively attached.

## Actionable Insights and Outcomes

Prescriptive maintenance work orders and interactive dashboards guide decision-making for maintenance planning and inventories.

# The Age of Intelligence

The Age of Intelligence represents a seismic shift in the way organizations conduct business, as it harnesses the power of data and algorithms to not only optimize processes but also to envision entirely new horizons of opportunity. In this era, companies will transform into dynamic, intelligent enterprises, capable of unprecedented agility and adaptability. The decisions that once relied on gut feeling will now be guided by the intricate dance of algorithms, unveiling hidden insights within the vast troves of data at their disposal.

# Intelligent Predictive Maintenance

**Nexscient's predictive maintenance platform is poised to revolutionize equipment reliability for manufacturers and continuous production facilities.**

With its IoT and AI-powered software platform, Nexscient aims to revolutionize predictive maintenance for industrial facilities like factories and plants. By gathering machine operating data through edge sensors and processing via intelligent algorithms, Nexscient provides continuous visibility into equipment health to mitigate disruptive breakdowns.

The company intends to offer a subscription-based Software-as-a-Service solution called AegisOne. The plug-and-play system uses self-installed acoustic, vibration, and temperature sensors on-site assets like motors and pumps to stream real-time telemetry data. Nexscient's cloud platform fuses and analyzes these streams using rule-based logic and machine learning modules to diagnose impending failures up to three months out and offer corrective recommendations.

Interactive dashboards present equipment status visibility while automatic alerts notify of emerging issues. Over time, accumulating data trains algorithms for enhanced projections augmented by IoT systems growing smarter from operational experience. Nexscient handles all underlying infrastructure.

With manufacturing downtime estimated to cost up to $50 billion for US businesses annually, outdated calendar-based maintenance persists despite inefficiencies. By delivering continuous monitoring and actionable diagnostics affordably via subscription, Nexscient unlocks entirely new realms of safety, reliability and productivity unachievable as operational unknowns give way to prescriptive clarity at scale.

Nexscient was founded by Fred E. Tannous, a proven serial entrepreneur and inventor across technology verticals from aerospace to enterprise SaaS, along with co-founders Tarek Shoufani, Michael Portera, and Eric Manlunas. Fred and his executive team deliver a wealth of multidisciplinary experience spanning AI/ML, cloud platforms, industrial automation, business optimization, capital markets, and more.

**01**

## $107 Billion
Estimated Addressable Predictive Maintenance Market (2033)

**02**

## 95+ Years
Combined Management Experience

**03**

## 38% CAGR
Compounded Annual Growth Rate Enterprise AI Market (2024 - 2032)

**04**

## $1,016 Billion
Estimated Global SaaS Market Value (2032)

# Executive Team

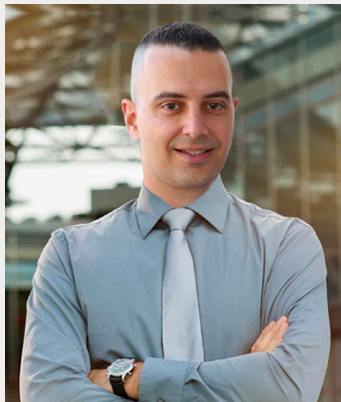### Fred E. Tannous
Chairman, President & Chief Executive Officer

- Serial entrepreneur and inventor for over 35 years, establishing start-ups across multiple industries; achieved a $100M+ exit.
- Helped consummate over $1 billion in direct investment; led a company from start-up to successful NASDAQ IPO.
- Technical expert with an MS and BS from USC in electrical engineering plus an MBA from University of Chicago; built AI and communication technologies for aerospace and defense industries.

### Michael J. Portera
Director, Chief Financial Officer

- Distinguished 40-year career in investment banking and capital markets, structuring complex financing deals totalling over $1B.
- Helped secure liquidity events valued at $500M+ for venture/PE investors; raised capital for early-stage start-up founders including recent mobile tech unicorn.
- Seasoned CPA grounded in financial/accounting rigor with economics degree from the Wharton School.

### Tarek N. Shoufani
Director, Chief Operating Officer

- 25+ years spearheading tech implementations and process optimization projects in multiple industries.
- Instrumental in expanding market penetration and revenue gains for leading data & logistics platforms worldwide.
- Multilingual senior executive proficient in forming tactical partnerships and multinational project management.

### Eric Manlunas
Director

- Founder and managing partner of Wavemaker Partners, a cross-border VC firm with $400M+ under management and over 450 investments in early-stage tech companies.
- Built and profitably exited multiple companies as seasoned entrepreneur across e-commerce and Internet services sectors.
- 25+ years as operating executive and investor navigating complex deals across international markets.