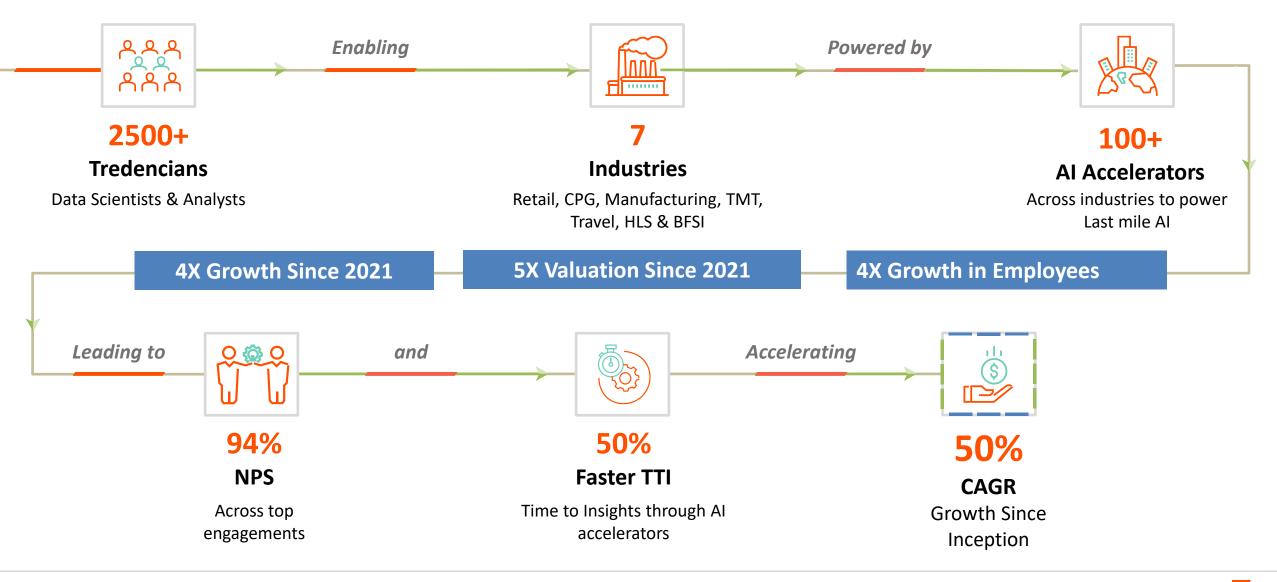


#BeyondPossible



Tredence at a Glance



Al Driven Predictive Maintenance

Optimize uptime & performance

Manufacturing teams spend 10-15% of their operations budget on maintenance activities, while still experiencing unexpected, unnecessary stoppages of critical primary & auxiliary equipment

Enhance asset lifespan, uptime & productivity with Tredence's Azure-based Predictive Maintenance Solutions

Our smart manufacturing solutions help companies drive operational efficiency & maximize value from key assets.

- Relevant for all rotating equipment, where vibration is a key leading indicator of potential issues
- Focuses on Risk Based Inspection, rather than Time Based, reducing unnecessary disruptions
- Continuous monitoring of Time to Failure & Remaining Useful
- Can be integrated with CMMS systems to enable smooth scheduling of maintenance activities

Reach out to us at alliances@tredence.com.

Tredence is a data and AI consulting firm that enables the last mile adoption of insights to drive value realization.

Enable smart manufacturing with our AI Driven Industry X.0 Solutions



AIAlgorithms

Deep Learning algorithms, trained to detect & classify anomalies



Root Cause Analysis

RCA Engine to quickly pinpoint the source of the problem



Data Wrangling

Scala/Sparkstructured streaming on Databricks for high-speed compute



IoT Edge Integration

Enable real-time monitoring & insights through streamlined implementation on the Edge



Ops for AI- IoT Edge

Automated pipeline & Governance frameworks for monitoring & troubleshooting

Business Impact



7-10%

improvement in equipment uptime

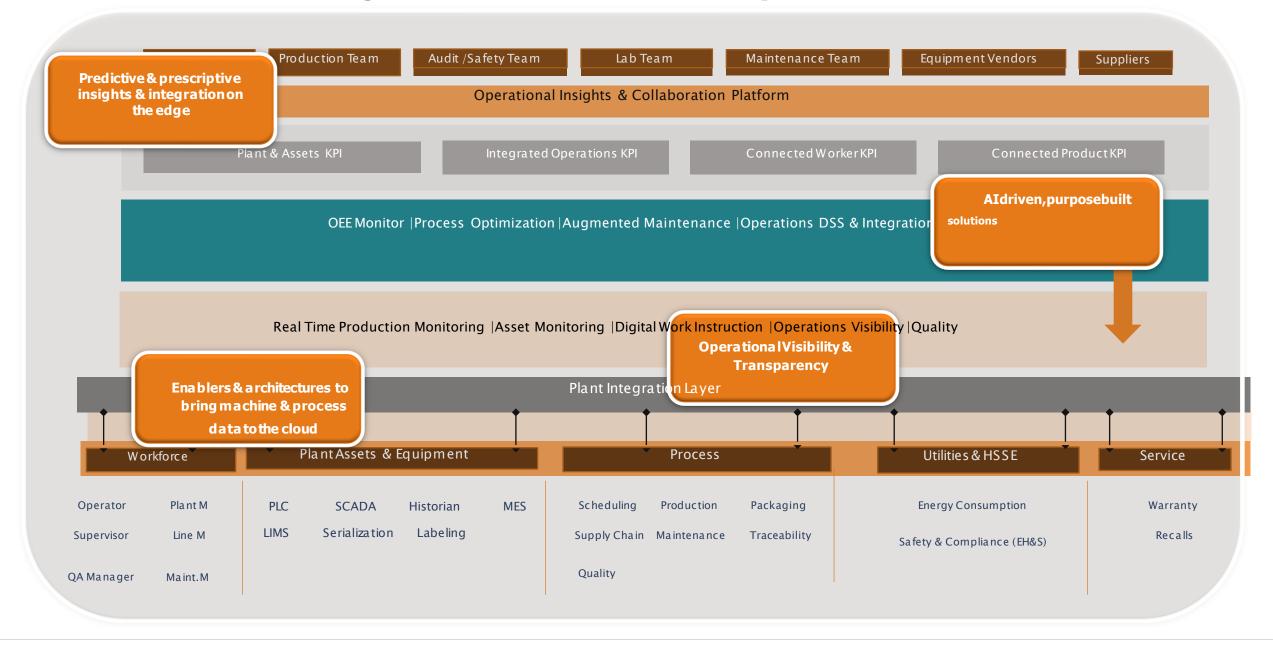


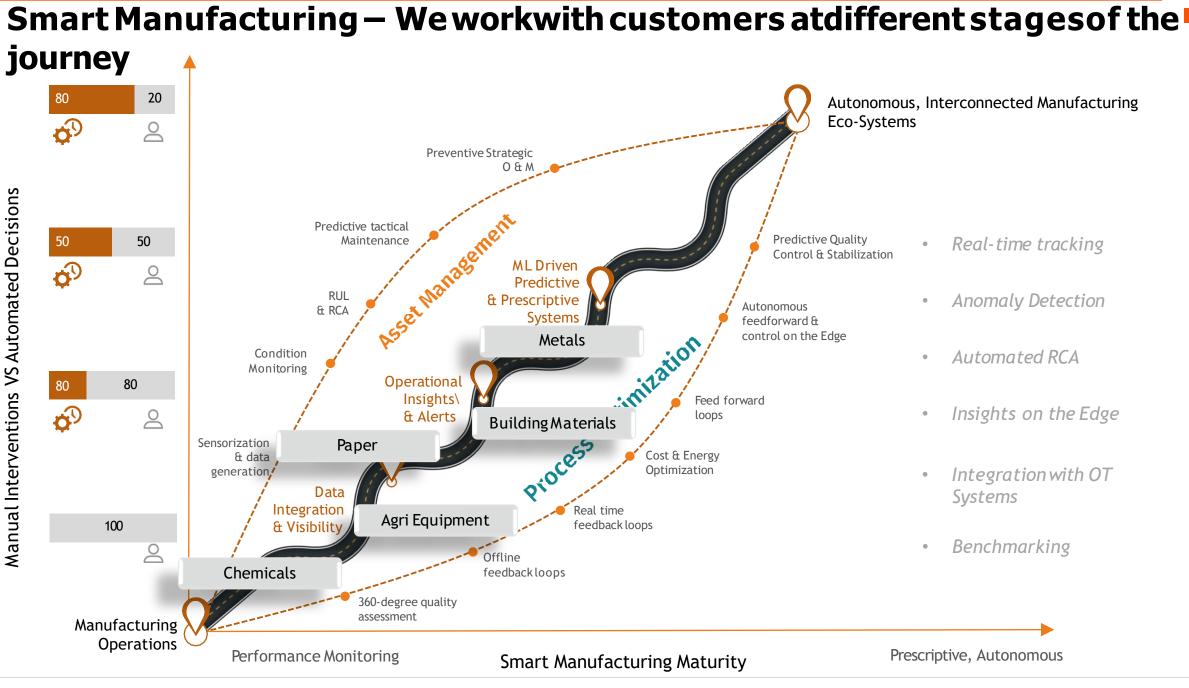
15- 20% reduction in maintenance costs



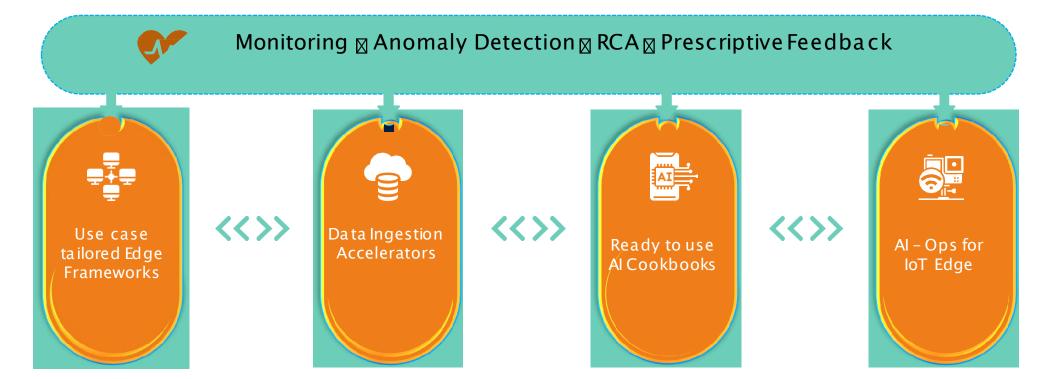
2-4 %reduction in production costs

Smart Manufacturing: Our Solutions Landscape





Tredence's ready to use building blocks in AI, data engineering & Edge thru the Industrial AI platform, helprunexperiments, scale & realizevalue faster







Industrial AISolution Accelerator Platform



Supply Chain & Manufacturing SMEs



IIoTSolution Architects



Ecosystem partners

Select
Case
Studies

Client Overview Category **Impact Transportation costs Inventory& AI-IoT Driven smart transportation Global Chemical reduced** by 5% while **Transportatio** & inventory management solution Manufacturer avoiding hazardous **Annual Revenue:** n inspections by field teams **Optimization** ~\$20B **Predictive Replenishment Computer Vision based Defect** Improved defect detection **Global Paper** Quality **Detection** before the finished product rate by 34% reducing returns **Assurance Products** enters the packaging line & customer complaints **Improvement** Manufacturer Annual Revenue: **Computer Vision** ~\$20B machine Pre scriptive **Prescriptive Productivity improvements Process Efficiency US Metals Major** parameter recommendations by 4% while reducing scrap & Annual Revenue: **Improvement** that help run equipment in quality rejects by 24% ~\$9B optimal conditions **Process Optimization Leading Building** Predictive Quality Control - Feedback & Production costs reduced **Quality** by feed forward loops that help finetune 2%ang GHG emissions **Materials Optimization** process parameters in near real time... **broughtdown by 15%** Manufacturer Annual Revenue: ~\$30B **Quality Control & Sustainability**

