



# ACCUPREDICT

MACHINES RUN FOREVER



# The Problem

- Manufacturers are under pressure to reduce energy used; improve productivity and operate with less headcount



- Machines are getting more sophisticated. But top talent in Univ's is not interested in a career in manufacturing

1920s

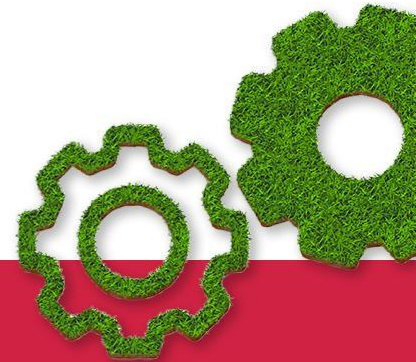


To

2020s



- How do we enable manufacturing to succeed?



# AccuPredict's Vision

- Smart sensors; Ubiquitous 4G & Cloud Computing enable remote machine monitoring



- AccuPredict uses PHYSICS (not pure ML) to make accurate predictions
- Customers machines run reliably with lower staffing needed on shop floor





# Competitive Comparison – Our Differentiation

## Pure ML Based Solutions



Predictions Need 6 Months' data



2-3 days Advance Notification



Prediction Accuracy 80-90%

Several Competitors



## PHYSICS Based Solution



Corrective Actions from Day 1



100+ days Advance Notification



Prediction Accuracy 97%

AccuPredict



# Customer Success Story – CPG Pilot

Client: A Fortune 500 FMCG Corporation

Duration: 3 Months

Location: 1 Manufacturing Hub, 2 critical machines, 25 sensors

## THE OUTCOME

Suspension of all OEM recommended Periodic Maintenance checks, part replacement actions, and other periodic maintenance, reducing expenditure on

Planned Maintenance activities

Maintenance Personnel

Spares and other materials

### Reduction in Machine Breakdowns

-25% in machine 1  
-57% in machine 2

### Reduction in time to repair

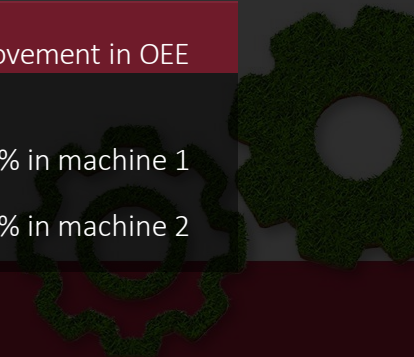
-21% in machine 1  
-22% in machine 2

### Reduction in Spares Usage

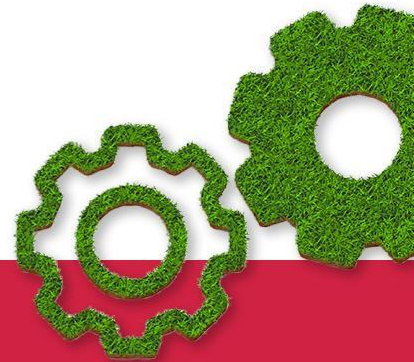
-11.2% in machine 1  
-16.3% in machine 2

### Improvement in OEE

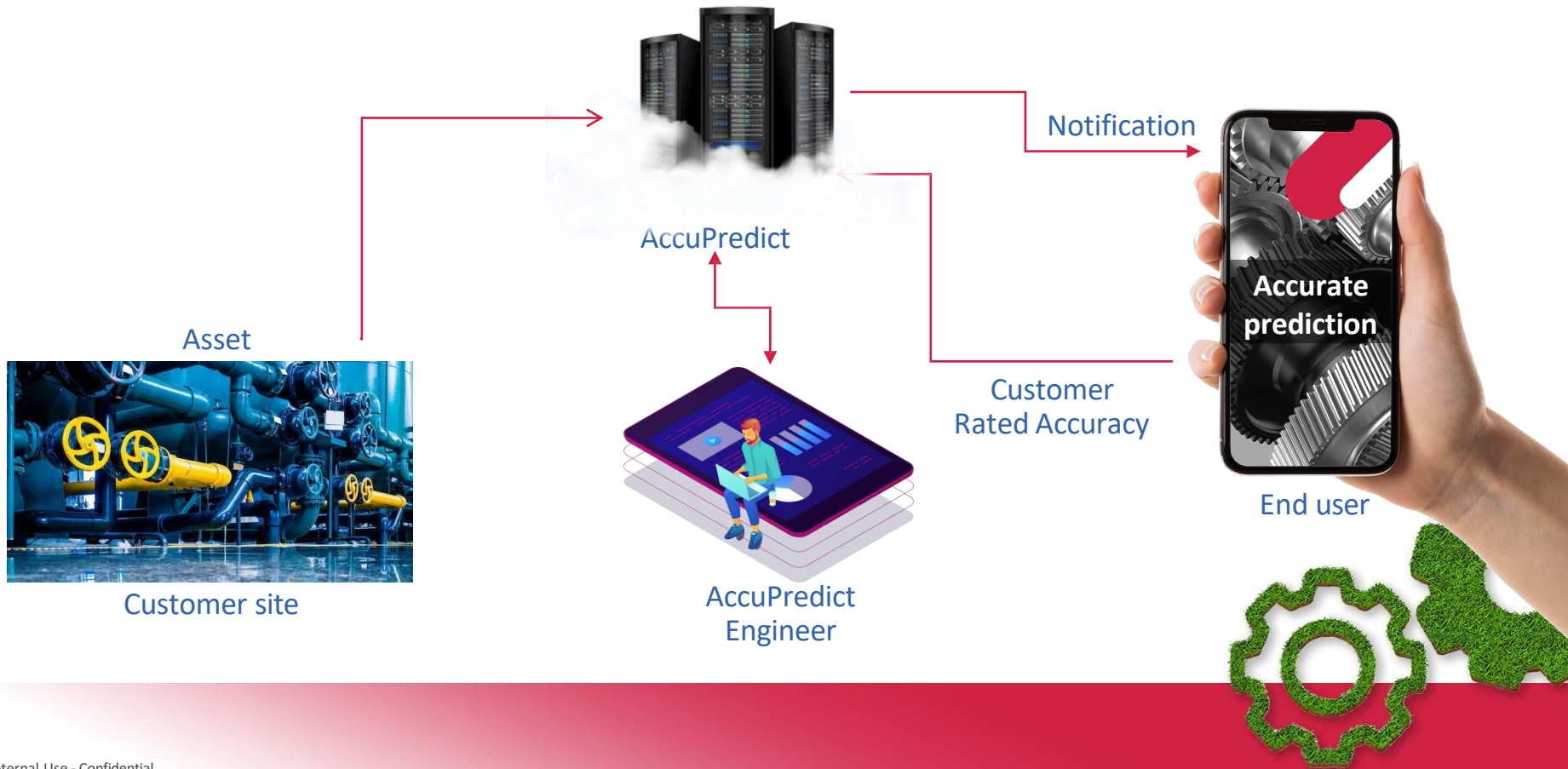
+0.1% in machine 1  
+1.5% in machine 2



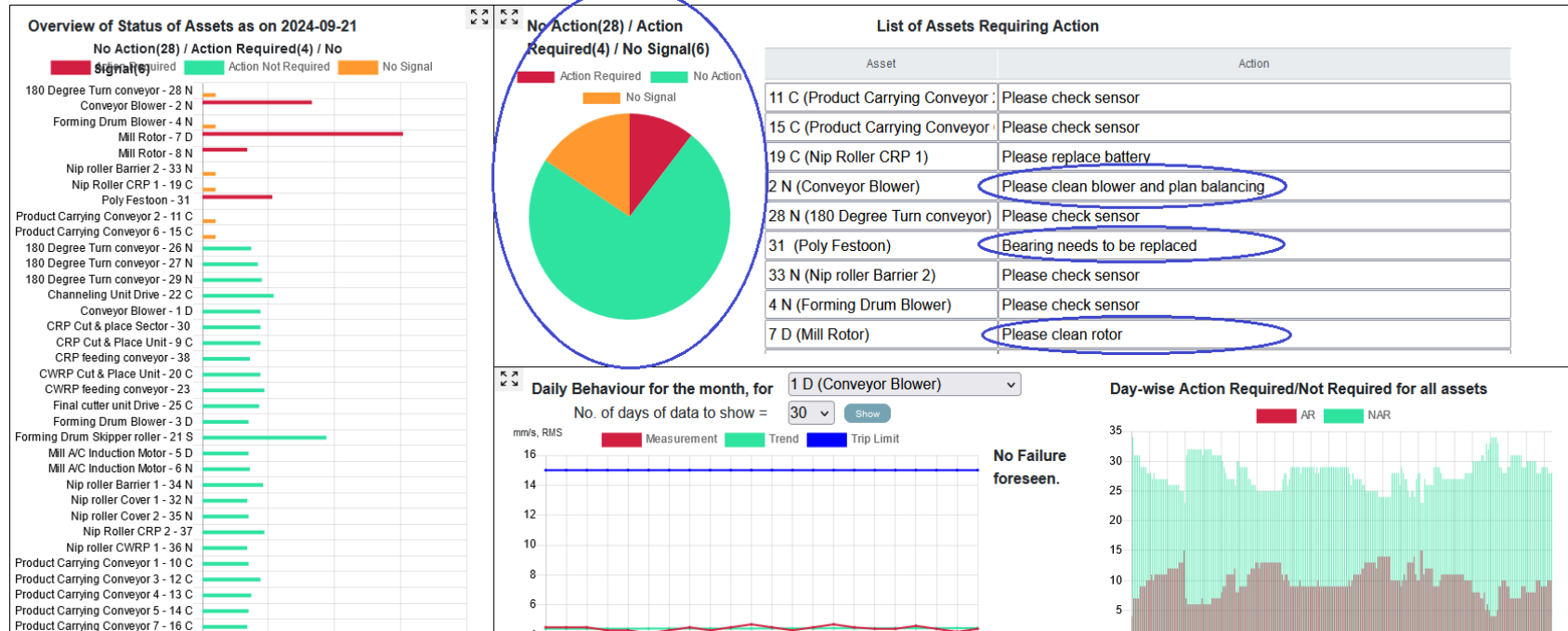
A Few of our satisfied Customers...



# How It Works



# We Provide Specific Recommendations





# Our Business Model



## Analytics as a Service

Customer buys Sensors  
Monthly subscription price



## Everything as a Service

AccuPredict owns Sensors  
Monthly subscription price



## Bespoke Consulting

Fix root causes,  
acoustic issues,  
structural problems



# Founding Team



## Sanjay Deshpande, Co-Founder & CTO

- 40 Years experience in Condition Monitoring
- Denmark & India
- Teaching in Engineering Institutes
- Guide PhD Students

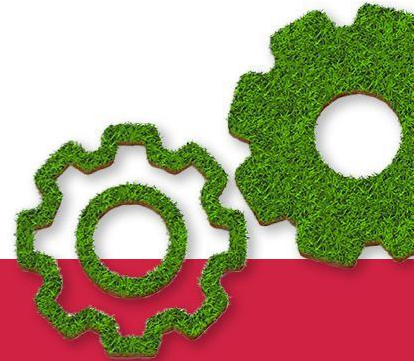


## Milind Yedkar, Co-Founder & CEO

- 38 Years Asia Pacific Business Experience
- Supply Chain Director India (Global FMCG Corp)
- Marketing Director Greater China (Fortune 50 IT Corporation)
- APAC P&L lead (Fortune 50 IT Corporation)



Team members



# SDGs★we help customers improve upon



Target 7.3: By 2030, double the global rate of improvement in energy efficiency

Action: PHYSICS enables machines to use 7-10% lower electricity



Target 9.4: By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes.

Action: Smooth machine operation increases machine life



Target 12.5: By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

Action: Early detection increases component life reducing waste



SDG = Sustainable Development Goals



# Our Differentiation – Performance Guarantee



Test Our Claims



Our Performance Guarantee

Send us a **'One Minute'** sample of a vibration signal.

Measurable improvement in your machine condition

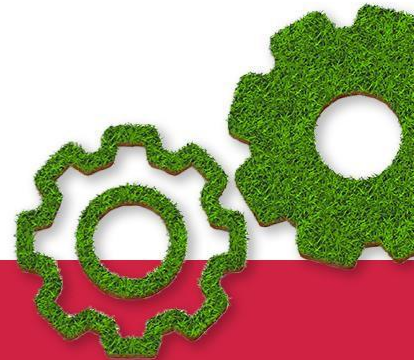
in **ONLY 90 DAYS** or 100% money back!



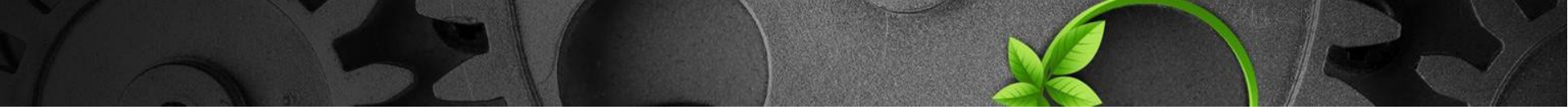
Any preexisting installed  
sensor



Receive our assessment  
within 24 Hours







Thank You

