



SENS-A

**Non-Invasive Industrial
Monitoring
Using Acoustics & AI**

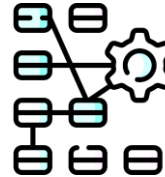
Unplanned downtime Causes huge revenue losses in industry.



On average:
\$148 per sec or \$9000
per minute



Current paradigms are
inefficient and rely on
guesswork



Next-gen solutions requires
a lot of commitment & risks
to implement

SENS-A System

Industrial A.I. system that
literally listens and
understands machine noise
to detect issues



Non-invasive acoustic
based sensing



AI detects and predicts machinery
issues



AI model adapts to capture
even facility specific issues



2018

Market
validation,
Initial R&D,

Rockstart



2019

Data collection,
Training of AI
Models, Sensor
Prototypes



2020

Controlled
Lab Testing
& Validation,



2021

Positive
results from
field tests

Establishment
of Key
Partnerships



2022

Integration with
industrial ERP
Software,

Move to
commercialization

seedstars *



InnoVEX



The world's only industry organised tech summit for the entire applied AI ecosystem



TECHNOLOGY INSIGHTS

Innovation and speed in industrial AI

Artificial Intelligence (AI) is transforming industry. One way AIIB develops AI capability is via collaborative with innovation-driven start-ups. Amongst other activities, AIIB co- next level of the in

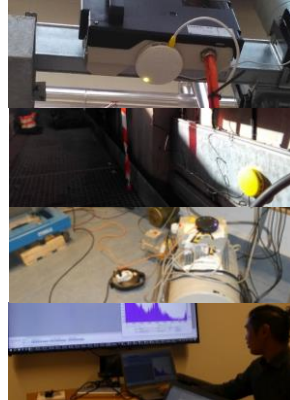
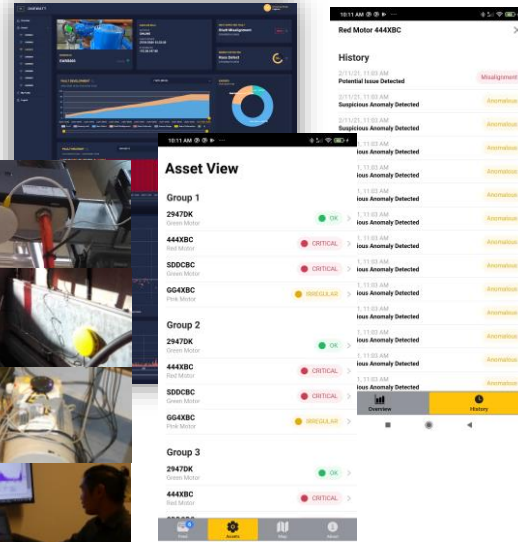


AI can now 'listen' to machines to tell if they're breaking down

ARTIFICIAL INTELLIGENCE



Chefflat is preventing problems by listening to machines. Through its Embedded Acoustic Recognition Sensors (EARS) device, combined with machine learning and frequency analysis, Chefflat can detect and predict faults before they happen. This includes the what, when, and where of a problem.



Status



Market Potential

\$864B

annual cost of
unplanned downtime
in Fortune 500
manufacturing and
industrial plants

89%

portion of industry
that still relying on
outdated or no
condition
monitoring

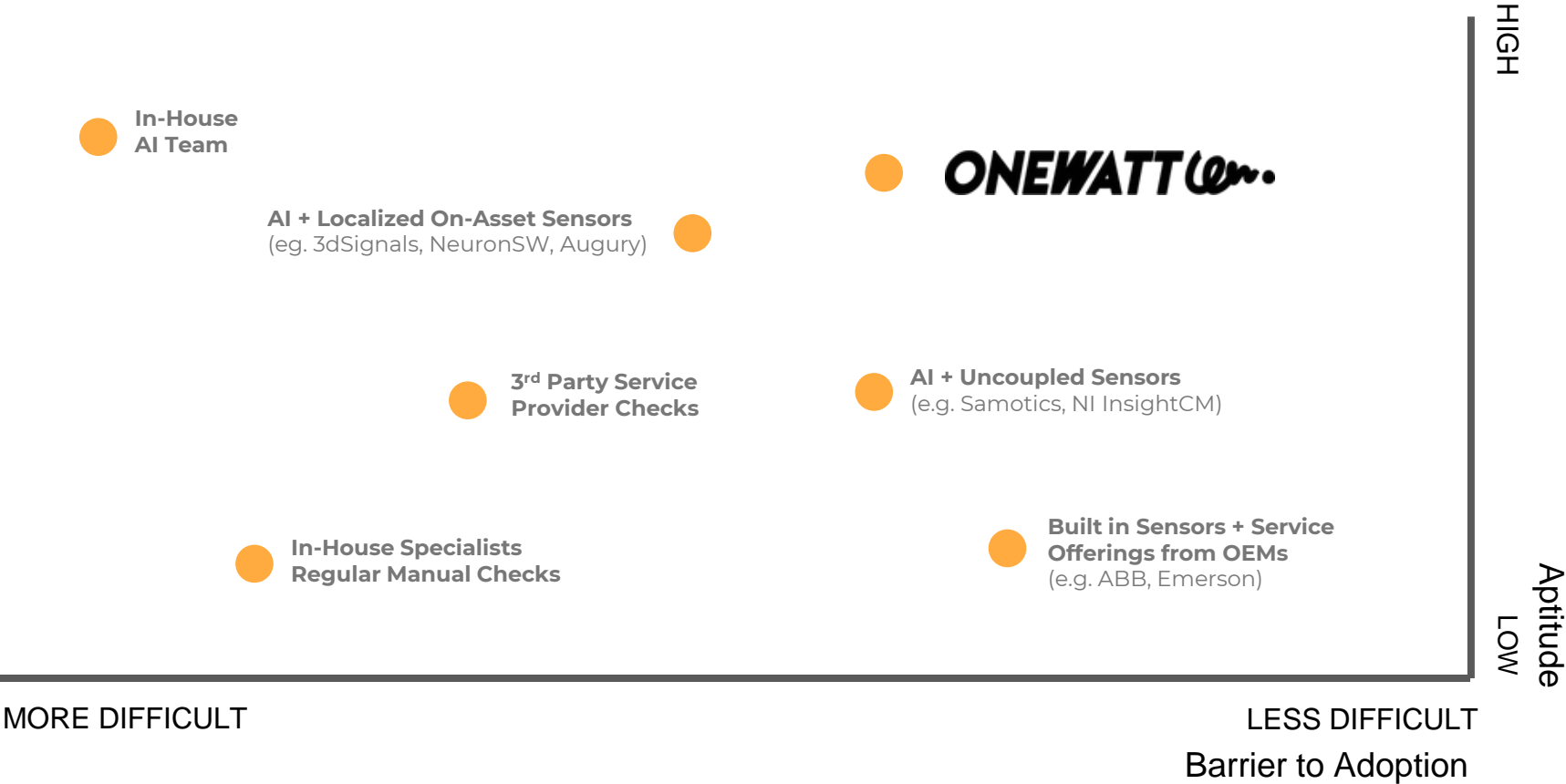
\$28B

size of Predictive
Maintenance Market
by 2026

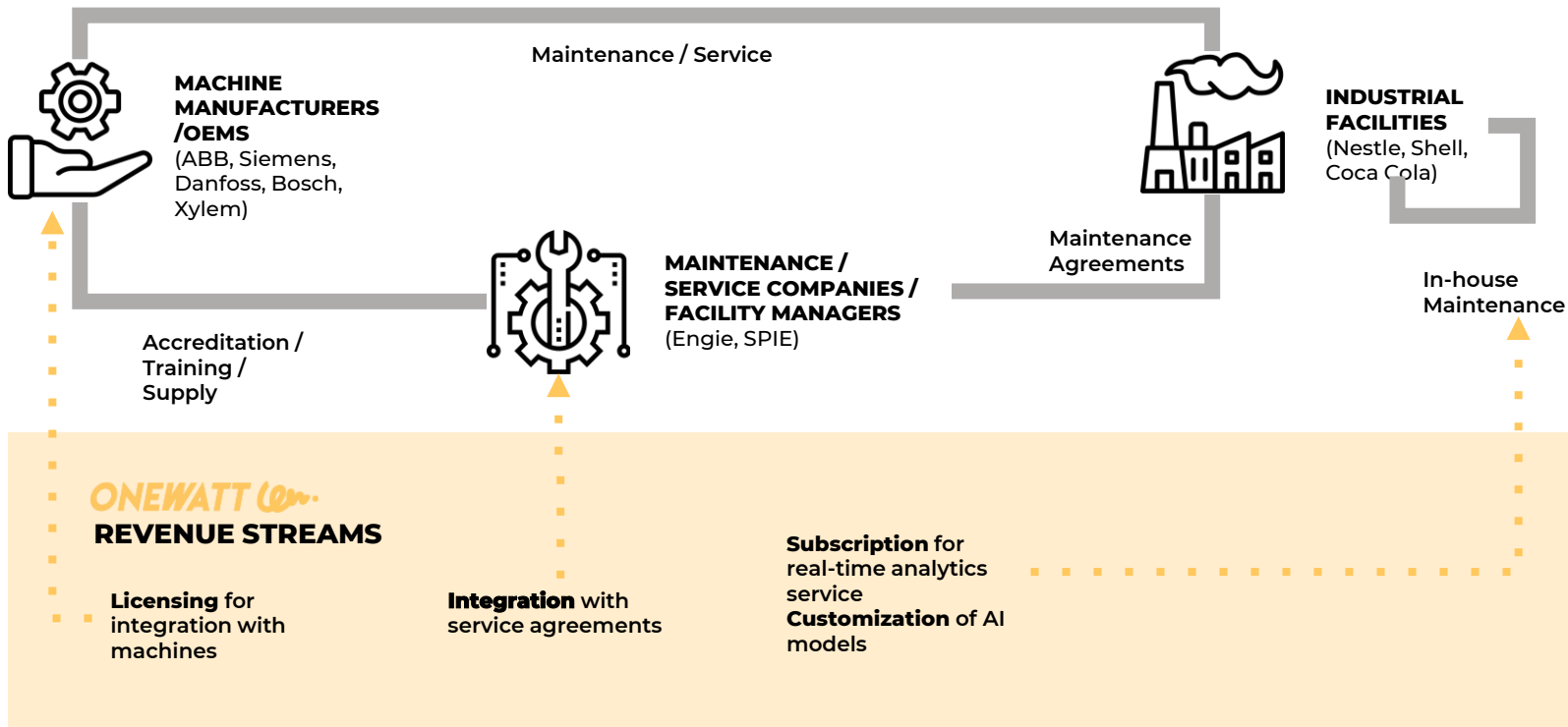
6%

average market share
of Tier 1 Players (Top 8)

Market Landscape



Condition Monitoring-as-a-Service.





Emmanuel Bueta

BS Electronics and Communications
Engineering – UP Diliman
6+ Years HP, IBM, NGA Tech Consultant
9+ Years Entrepreneurial Experience
Founder; Gloop Group, Gastropod



Francis Bautista

MS Computer Science – UP Diliman
BS Management Information Systems – Ateneo De
Manila
7+ Years AI Researcher/ Specialist
Founder, Indigo Research



Marica Uchida

BC Computer Science – Asia Pacific College
10+ Years Business Operations,
COO, Squeaky Wheel Studios,
Co-Founder Indigo Research



Carlos Daroya

BS Computer Science – UP Diliman
AWS Certified Cloud Dev
4+ Years Systems Developer



Enzo Yabut

AB Interdisciplinary Studies, Management &
Communication – Ateneo De Manila
5+ Years Business Development



Antoine Santos

BS Information Systems – Mapua University
8+ Years Software Development



Industry Partners
to co-create
domain specific
builds



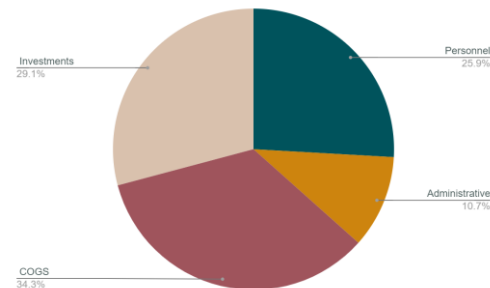
Service providers/OEMs
for distribution /
partnerships



Funding for
go-to-market &
commercialization

\$1.8M for commercialization activities for the next 20 months

- **29% (~522k EUR)**
Investments, Set-up Infrastructure,
Compliances & Other Requirements
- **34.3% (~972k EUR)**
COGS/Hardware Costs
- **25.9% (~466k EUR)**
Personnel / Team
- **10.7% (~192K EUR)**
Administrative &
Other Overhead Costs



OUR GOAL :
MACHINE AUSCULTATION FOR ALL.

1.
Make listening AI for diagnosing machines as ubiquitous as medical auscultation is for humans.



2.
Make listening AI for machine faults in industry as ubiquitous as listening for voice commands in the consumer space.



LISTEN.

Your industrial motors are complaining, our EARS will tell you what they're saying.

OneWatt's EARS is a predictive, non-invasive condition monitoring system that uses AI to literally hear developing faults in your motors.

Using our EARS, we help industrial facilities:

- **reduce unplanned downtime**
- **minimize revenue losses**
- **ensure efficient maintenance work**

ONEWATT *len.*
INDUSTRIAL AI SOLUTIONS

WE MAKE SENSE OF THE NOISE.

SUPPORTED BY



INCEPTION
PROGRAM

THIRD
DERIVATIVE³



InnoEnergy
Knowledge Innovation Community



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

rockstart.



brainsparks

ADVANTECH