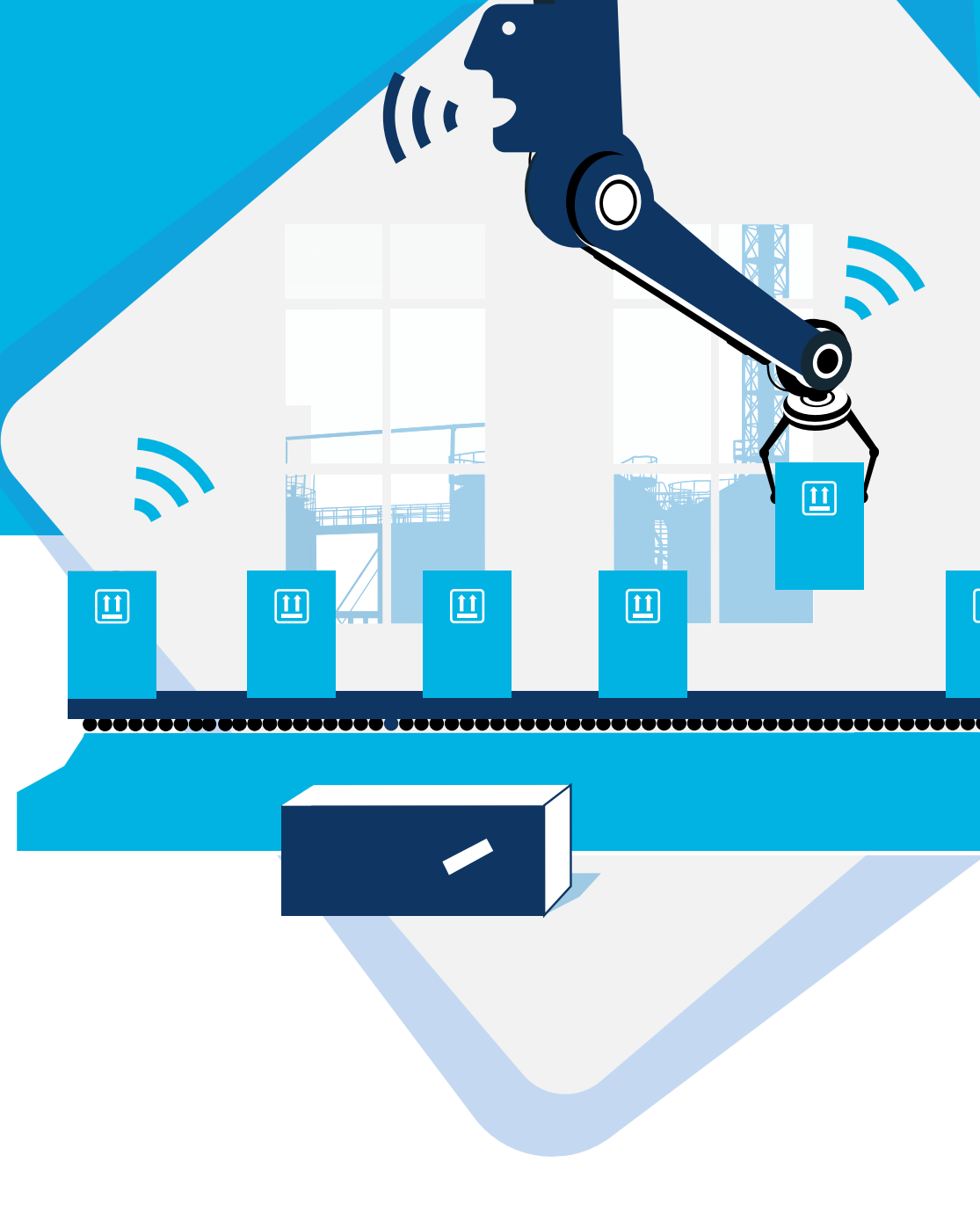


PREDICTIVE MAINTENANCE

Take proactive measures based on advanced data analytics to predict and avoid **MACHINE FAILURE**



**LISTEN
TO YOUR
MACHINES!**

40%

of preventive maintenance costs are spent on assets with negligible effect on uptime failure.¹

30%

of preventive maintenance activities are carried out too frequently.¹

45%

of all maintenance efforts are ineffective.²

Traditional preventive maintenance embraces time-based approach. This consumes unnecessary resources and may actually cause failure by disrupting the equilibrium of stable assets.³



Only **18%** of assets have an age related failure pattern.³

82% of asset failures appear random.³

and yet...

A full **40%** of organizations are not using any form of predictive maintenance.⁴

Only **23%** of organizations that are using predictive maintenance integrate work order systems.⁴

For example, on one oil rig **99%** of data collected from sensor-enabled assets went unused.⁵



Monitor and analyze asset health data, both historical and real-time



Intervene at the right time, before assets go down



Prioritize and optimize resources

By implementing predictive maintenance

Total spend on preventive maintenance can be reduced by up to

50%⁴



Total preventive maintenance hours can be reduced by

50%-70%⁶



Your machines are talking.
Are you listening?

About Veltris

With extensive expertise gained from numerous customer implementation and successes, we help our clients unlock the true potential of data, analytics and AI. We handle end-to-end AI solution development - from data mining, cleaning, and labelling, to building, training, and deploying AI models for scale.

Learn more about how you can maximize uptime,
visit: www.insight.veltris.com/predictive-maintenance

¹ Source: Oniqua Enterprise Analytics, Reducing the Cost of Preventative Maintenance, <http://www.plant-maintenance.com/articles/PMCOSTReduction.pdf>

² Source: T.A. Cook, Maintenance Efficiency Report 2013, August 2013. http://uk.tacook.com/fileadmin/files/3_Studies/Studies/2013/

³ Source: ARC view, Optimize Asset Performance with Industrial IoT and Analytics, August 2015 <http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?subtype=WH&infotype=SA&htmlfid=WWL12350USEN&attachment=WWL12350USEN.PDF>

⁴ Source: Enterprise Asset Management and Field Service Management, ARC Advisory Group, 04/17/2015. <http://www.arcweb.com/market-studies/pages/enterprise-asset-management.aspx>

⁵ Source: McKinsey https://www.mckinsey.de/sites/mck_files/files/unlocking_the_potential_of_the_internet_of_things_full_report.pdf

⁶ Source: IDCON Inc., Optimize your Preventive Maintenance, <http://www.idcon.com/resource-library/articles/preventive-maintenance/528-optimize-preventive-maintenance.html>