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AUTONOMOUS ROBOTS FOR INDUSTRIAL INSPECTION



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Agenda

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ANYbotics Overview

02

ANYmal In Action

03

Q&A



We are on the verge of the next robotic revolution

AI-powered, agile robots enable the automation of industries that so far relied on manual labour.

AUTOMATED MANUFACTURING

Enabled by 3 million industrial robots in operation



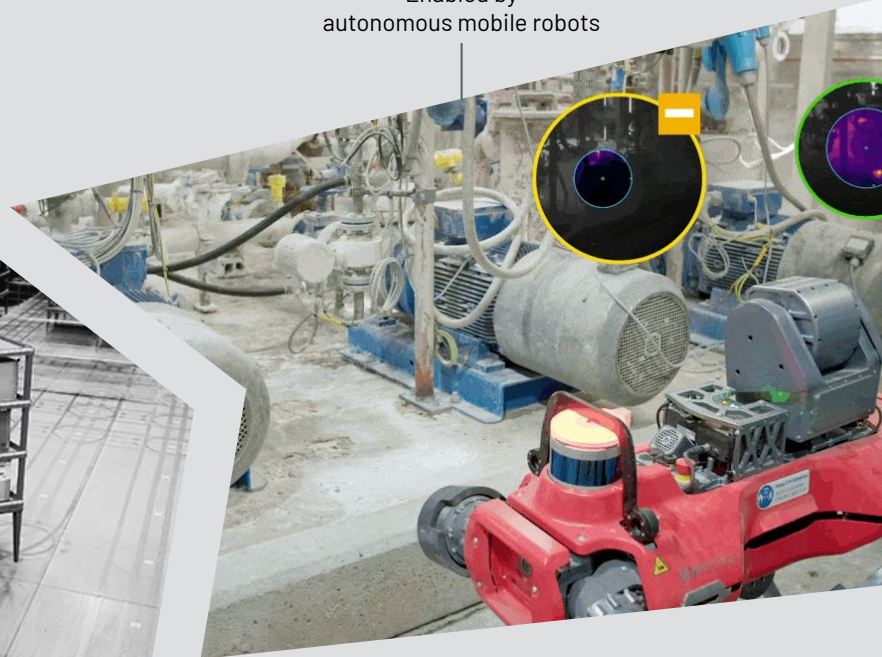
SMART WAREHOUSING

Enabled by >1 million warehouse robots in operation



AUTONOMOUS INDUSTRY

Enabled by autonomous mobile robots



Today's industrial operations face critical challenges



WORKFORCE SHORTAGE

1.5 million unfilled plant operator
positions until 2030 in the EU alone



LIMITED PRODUCTIVITY

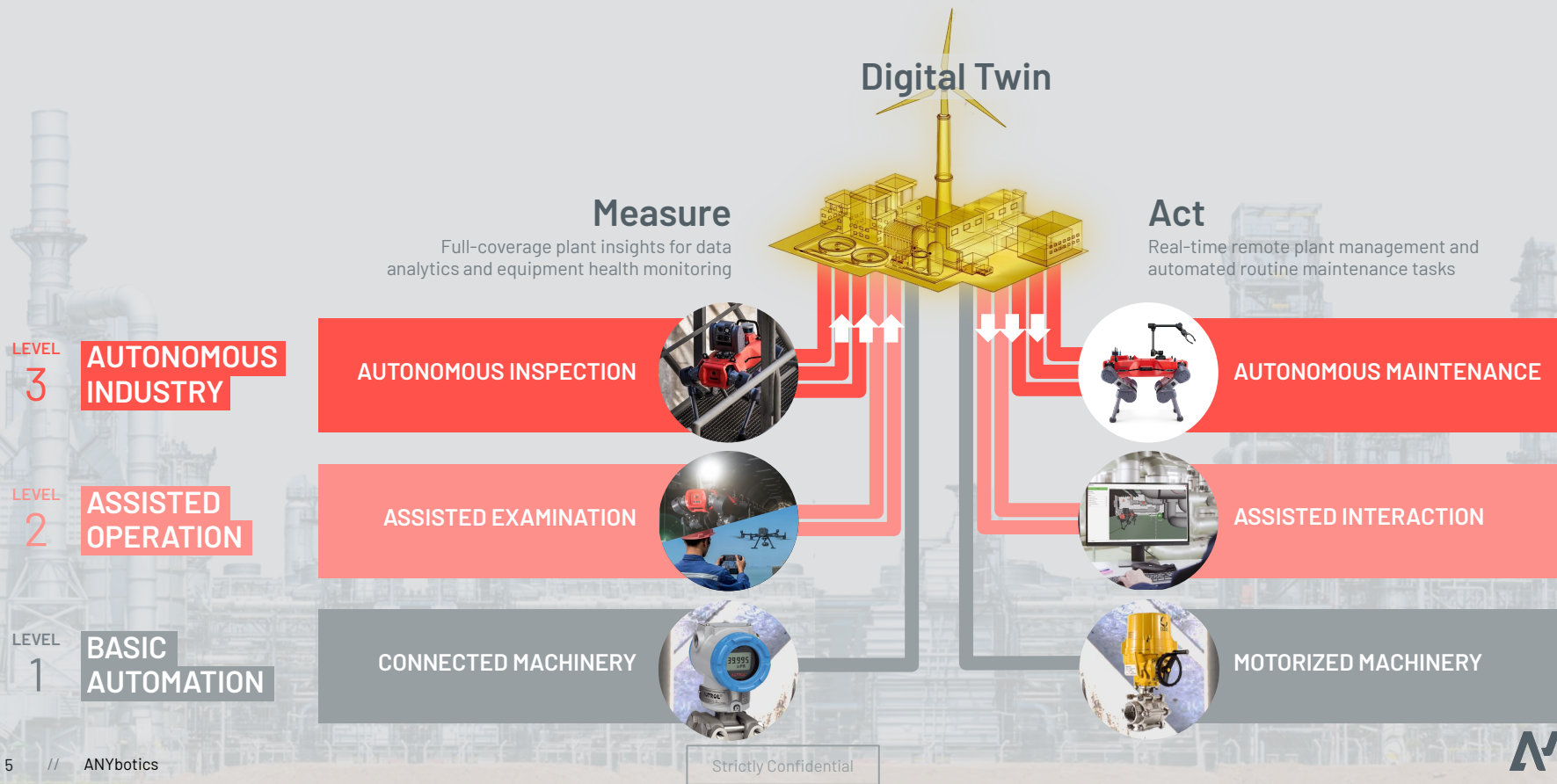
Undetected issues lead to downtime
costs of \$270 billion each year



SAFETY REQUIREMENTS

Human error is the leading
cause of industrial accidents

Building the Autonomous Industry



The world's most advanced industrial inspection solution



Workforce

Desktop and mobile interfaces for robot control, mission setup, and fleet management.



ANYmal

Industrial-grade & safety certified autonomous robot. IP67 water- and dust protected. 5 patents pending.

ANYmal X

World' only legged robot with Ex-certification for Oil & Gas and Chemicals. 3 patents pending.

Software Stack

ANYbotics' full stack software provides an end-to-end robotic automation solution:



Mobility on any terrain

Access all areas of a facility with the unparalleled mobility of four legs



Large-scale autonomy

Automate tasks in vast facilities while leaving the environment untouched



Superhuman inspection

Collect data and uncover invisible risks beyond human perception & accuracy



Digital twin integration

Integration with digital platforms for seamless data transfer

World-leading team
shaping robotics since 2009

2016

Spin-off

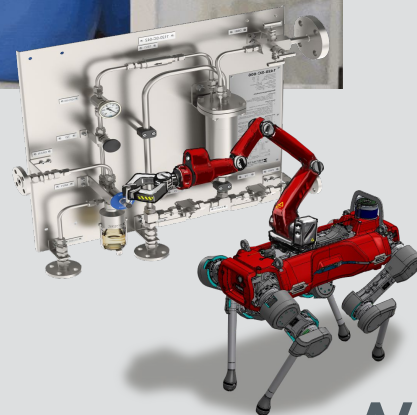
ETH zürich



World-leading robotics AI



Robotic maintenance





A better way to collect better data



Boost revenues

by increasing facility
uptime with **multisensory**
insights



Reduce costs

by enhancing
maintenance efficiency
with **automated data**
collection



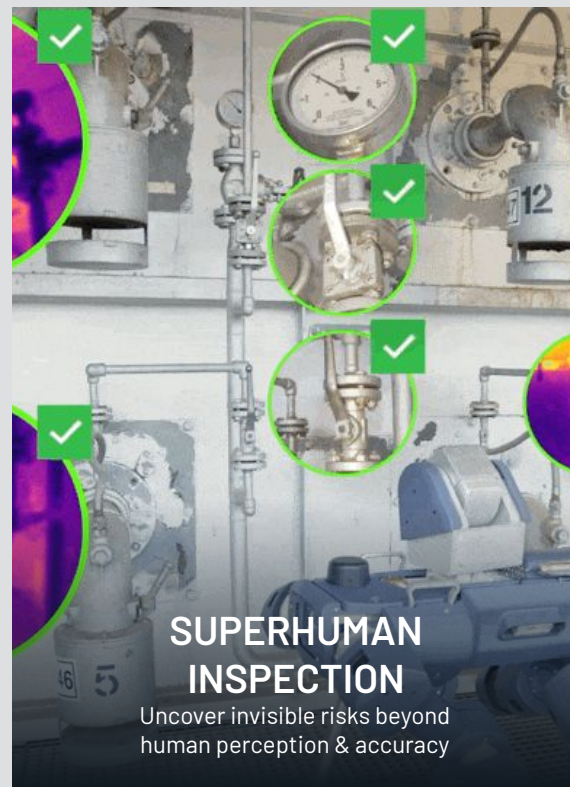
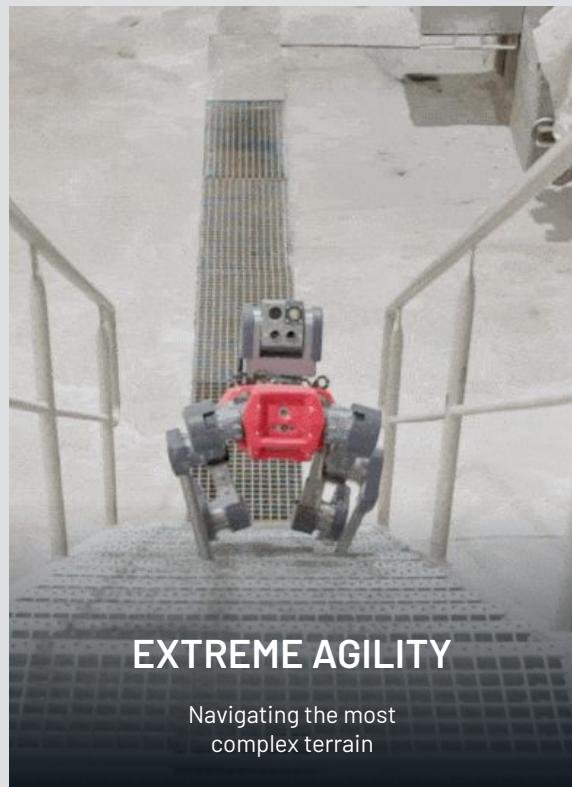
Keep workers safe

by reducing hazard
exposure with **robotic**
access to all
environments



Reduce env. impact

by detecting gas leaks
with **advanced gas**
monitoring



Expandable inspection capabilities



Powerful inspection solution out-of-the box

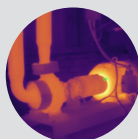
Standard payload shipped with every ANYmal for most common use cases. Growing SaaS suite covers automated inspection analytics.



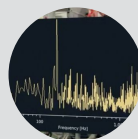
Digitize analog readings



Monitor assets in operation



Find hotspots with thermography



Identify acoustic anomalies



Additional capabilities through partnerships

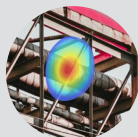
Specialized applications through modular partner payloads (up to 15 kg). Third-party inspection apps on robot enabled by ANYmal Edge API.



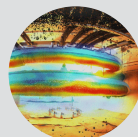
Create & update digital twin models



Monitor gas presence



Localize gas leakages



3d radiation mapping

Strictly Confidential

Flexible data integration

Built-in data delivery

Inspection protocol export and stand-alone data navigation tool for immediate insights and short time-to-value.



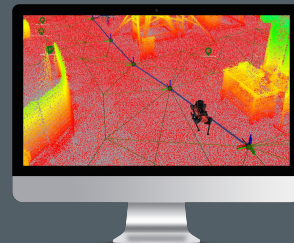
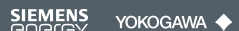
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ANYbotics Data Navigator

Integration with digital platforms

API integration with leading digital twin, data ops, and CMMS solutions provides an end-to-end robotic automation solution.







Thank you!

ANYbotics AG

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