



Cortex Robotics

Autonomous **pipe-climbing robots** that inspect critical energy infrastructure - **safer, cheaper, more data**

PROBLEM

Owners/operators of critical energy infrastructure manage **thousands of kilometers of pipe per facility**. These assets require frequent inspection, but today inspections are **access-constrained**. Reaching the right spot typically requires **scaffolding or rope access**, and sometimes shutdown windows.

Scaffolding alone accounts for around 70% of inspection cost and >95% of inspection time.

The result is predictable: teams reduce coverage and frequency, can't build repeatable data baselines, and end up **over-maintaining (waste)** or **under-detecting (risk)**.

Customers are asking for smarter, data-driven solutions that provide more insight for less effort.

WHY NOW?

Inspection demand is rising

- Aging infrastructure + integrity expectations are pushing more frequent inspection cycles

Operators are actively seeking alternatives (validated)

- Partner-backed demand signals: LOIs + pilots indicate this is a “budgeted problem,” not curiosity

Enabling tech has crossed the threshold

- Autonomy, on-robot compute, and proven NDT sensors now make repeatable, close-range inspections feasible without custom setups

Data workflows are ready for scale

- Operators want standardized digital outputs that plug into integrity programs



SOLUTION & PRODUCT

Pipe-climbing robot



Proof of Concept (made in 2024)

The robot can **drive** on both **horizontal and vertical** pipelines, and it can **climb past certain obstacles** like bends, diameter changes and supports.

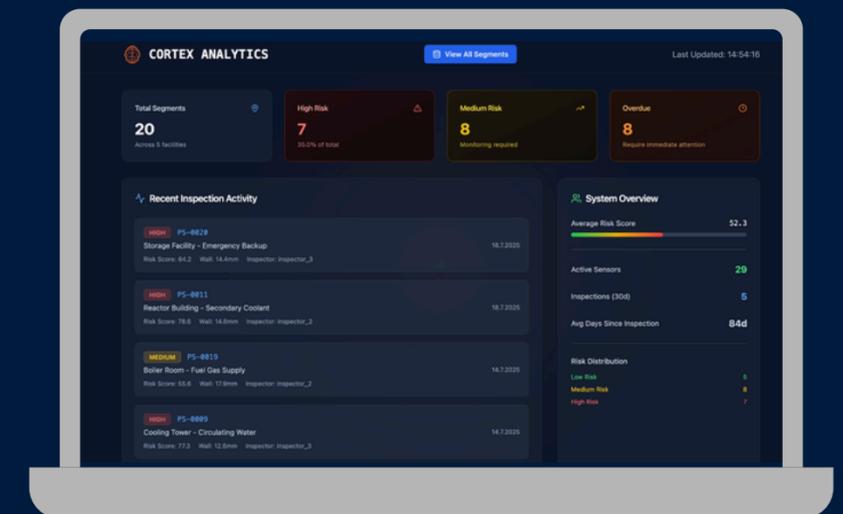
Enhanced Data Collection



Photo from Format NDT Ltd

The robot uses existing **NDT sensor technology** to perform inspections. This enables **continuous data** collection along the pipelines.

Data Analysis



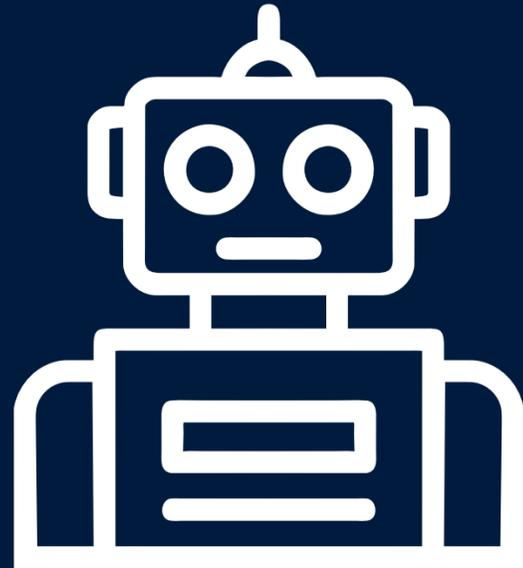
Software Concept

Inspection data is automatically turned into **actionable insights**, visualized in a **digital report** with clear findings and traceability.

The visual reflects a basic prototype stage. We'll present the latest hardware, obstacle-performance progress, and test plan in a follow-up meeting.

BUSINESS MODEL

Bundled business model to gain control over service, and also gaining **annual recurring revenue**.



Sell/lease the robot
to inspection- and
operator companies

Subscription fee
for data analytics
to asset owner or
operator

COMPETITION

	ARIX	KAEFER	Trisense	gecko robotics	MISTRAS	Cortex Robotics
Continuous data gathering	✓	✗	✗	✓	✓	✓
Navigating past obstacles AND bends	✗	✓	✗	✗	✗	✓
Vertical driving	✗	✓	✗	✓	✗	✓
Dataanalysis	✓	✓	✓	✓	✗	✓

TRACTION



3 counterparties ready to scope and execute early field pilots to validate deployment workflow and data value

To validate the problem in the field, we've **visited multiple processing plants** and mapped real inspection workflows and access constraints.

3 PROTOTYPES

3 UNPAID PILOTS

7 LOI

CLOSE INDUSTRY CONTACT

~80K € SOFT-FUNDING

We have developed **3 prototypes**, and #3 is going to be tested at **Equinors K-Lab in Q1 26**

Written market pull from **major operators and service providers** across onshore/offshore CUI and LNG terminal risers

Non-dilutive funding secured to accelerate prototyping, testing, and early commercialization activities.



Roadmap (Pre-Seed)



THE TEAM



DANIEL SKOGLAND

CEO

MSc Mechanical Engineering

Bridging mechanical precision with strategic vision.

CELINE SLÅTTELIA

CCO

BSc Business & Law

Driving industry partnerships and commercial growth.

OSCAR LAE

CTO

MSc Electrical Engineering

The architect behind our electrical and autonomous systems.

KRISTIAN ROMEN

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Ensuring financial scalability and structural excellence.

INGEBORG BOGEN

COO

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Ensuring operations run smooth and data analytics.



ADVISORY BOARD



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General Manager



Roy Johnsen
Professor Corrosion and
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Aksel A. Transeth
Ph.d in Robotics and
Control Engineering



Alexander Edvardsen
Inspection Engineer



FUNDRAISE

Raising: €1.0M pre-seed

Goal: reach paid pilots + field-proven KPI + certification readiness

1M
EURO
18 months
runway
(with grants/partner support)



3 new fulltime hires



Development costs



Legal & Compliance

GET IN TOUCH!



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