



ASIO X

Drone-based solution for inspection and digitization of confined spaces.



Ranked: #9
all categories
nationwide
2024

Ranked: #1
in Robotics
nationwide
2024

The problem

2,1 million workers enter confined spaces annually.
2 workes die every day* in accidents related to confined space.



Safety Risks

Confined space inspection put human workers at risk every day



Downtime & Costs

Existing solutions cause expensive shutdowns of assets



Environmental Impact

Lack of confined space inspection damages the planet

**Source: Occupational Safety and Health Administration*

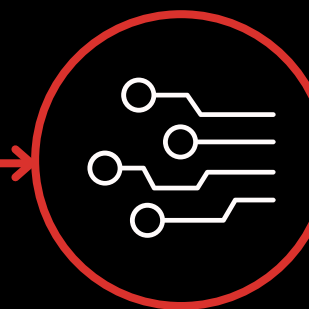
The solution



Flybotix keeps humans out of confined space



Inspection



Digitization



Analysis

Applications



**Water
Infrastructure**



**Energy
Production**



**Chemical &
Processing**



Cement



Agriculture



Nuclear



Maritime



Mining

The ASIO solution



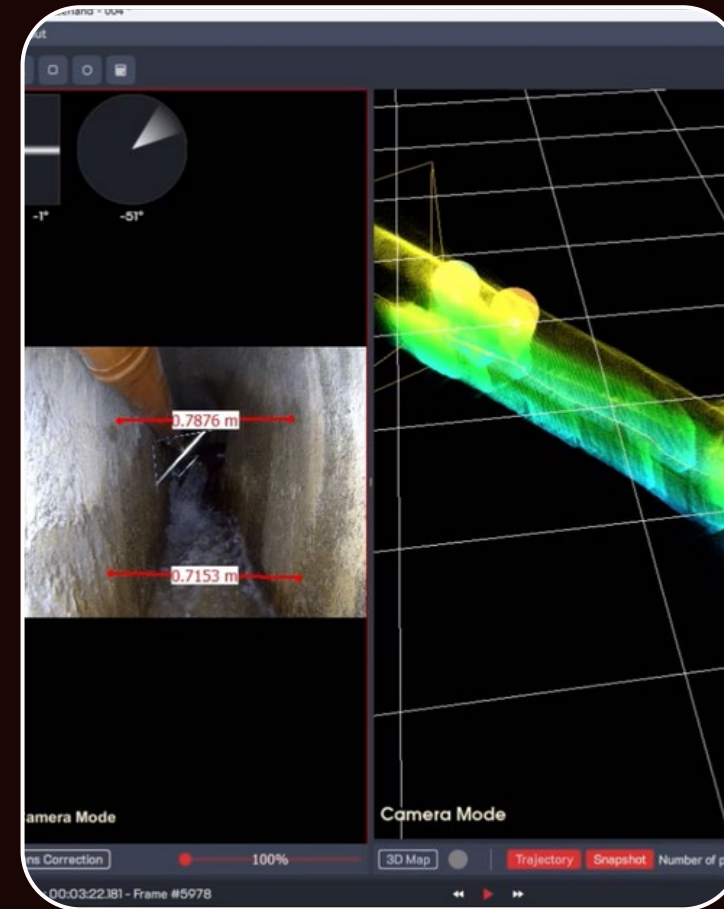
ASIO X drone

Visual inspection & data collection



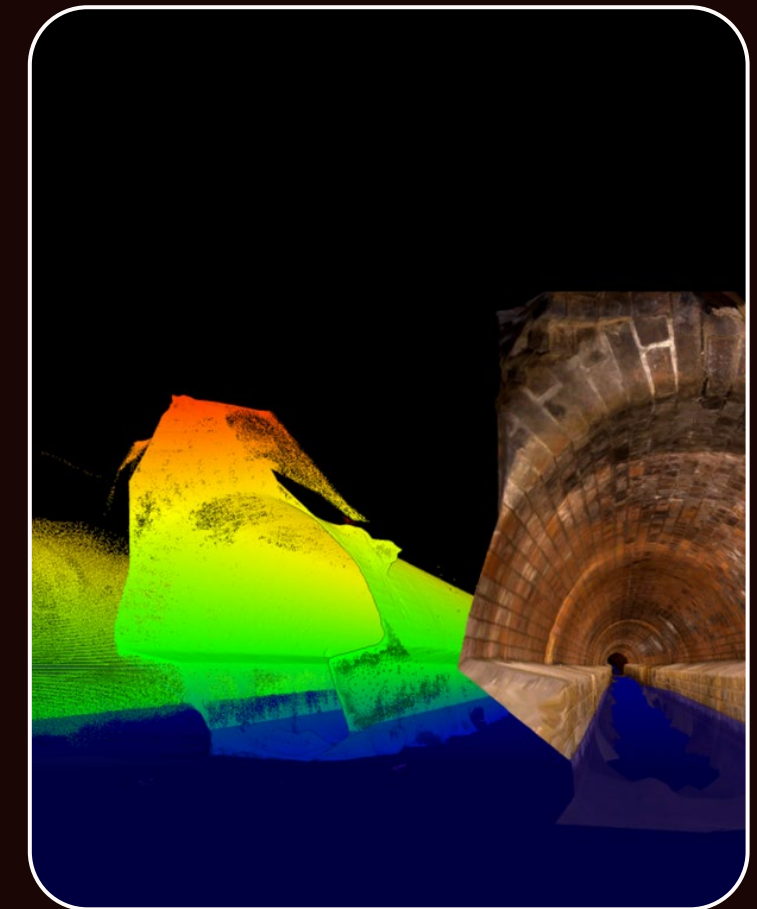
ASIO FlyStation

Extended screen solution for data visualization



ASIO Explore

On-site data verification & measurement



ASIO Connect

Data Management & Digital Twin

ASIO X drone



INTEGRATED MULTI-GAS DETECTOR

Detects, locates & quantifies 4 gases: Methane, Hydrogen, Sulphide, Oxygen, Carbon Monoxide.

INTEGRATED ORIENTABLE LIDAR

Generates point clouds and highly accurate crack and defect measurements.

EASY TO USE

Intuitive user interface and controls to expedite the learning curve.

ULTRA BRIGHT LIGHTING

Illuminates confined spaces to provide crystal clear images with industry leading 40k lumens.

LONGEST FLIGHT TIME

20 min per battery for a full inspection in a single flight.

STABLE IN HARSH ENVIRONMENTS

Advanced Radar-based stabilization Technology increases inspection success in volatile environmental conditions.

DUAL CAMERA SYSTEM

Dual 4K and RadioMetric IR Cameras with 180° unobstructed vertical FOV.

VIO TECHNOLOGY

Utilize camera data and inertial sensors to maintain precise positioning even in GPS-denied environments.

ROBUSTE CAGE

Protects from impacts and collisions.



ASIO X drone



40k
lumen



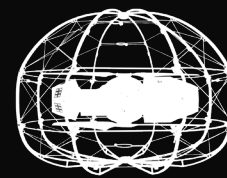
20 min
flight time



Gas
detection



LiDAR
payload



Robust
cage



Easy to
pilot



Flight
stability



Dual camera
system



Longest flight time

See what others miss.

Flies 20 minutes per battery for a full
inspection in a single flight.



Integrated gas detection

Where gas hazard matters.

Detects, locates & quantifies 4 gases while measuring temperature & humidity.





Ultra bright lighting

Darkness hides no more.
Illuminates confined spaces to provide
crystal clear images with market-leading 40k
lumens.





Stable in harsh environments

Fly stress -free everywhere.
Resists disturbances thanks to Radar based advanced stabilization technology.



ASIO FlyStation



Extended screen solution

Adaptable to your workflow.
Superior visibility, reliability and control during your flight.



ASIO Explore



Comprehensive inspection software

Analyze and manage your on-site inspection data efficiently and effectively.



Measurement with LiDAR



POI localization



Point cloud manipulation



Temperature monitoring

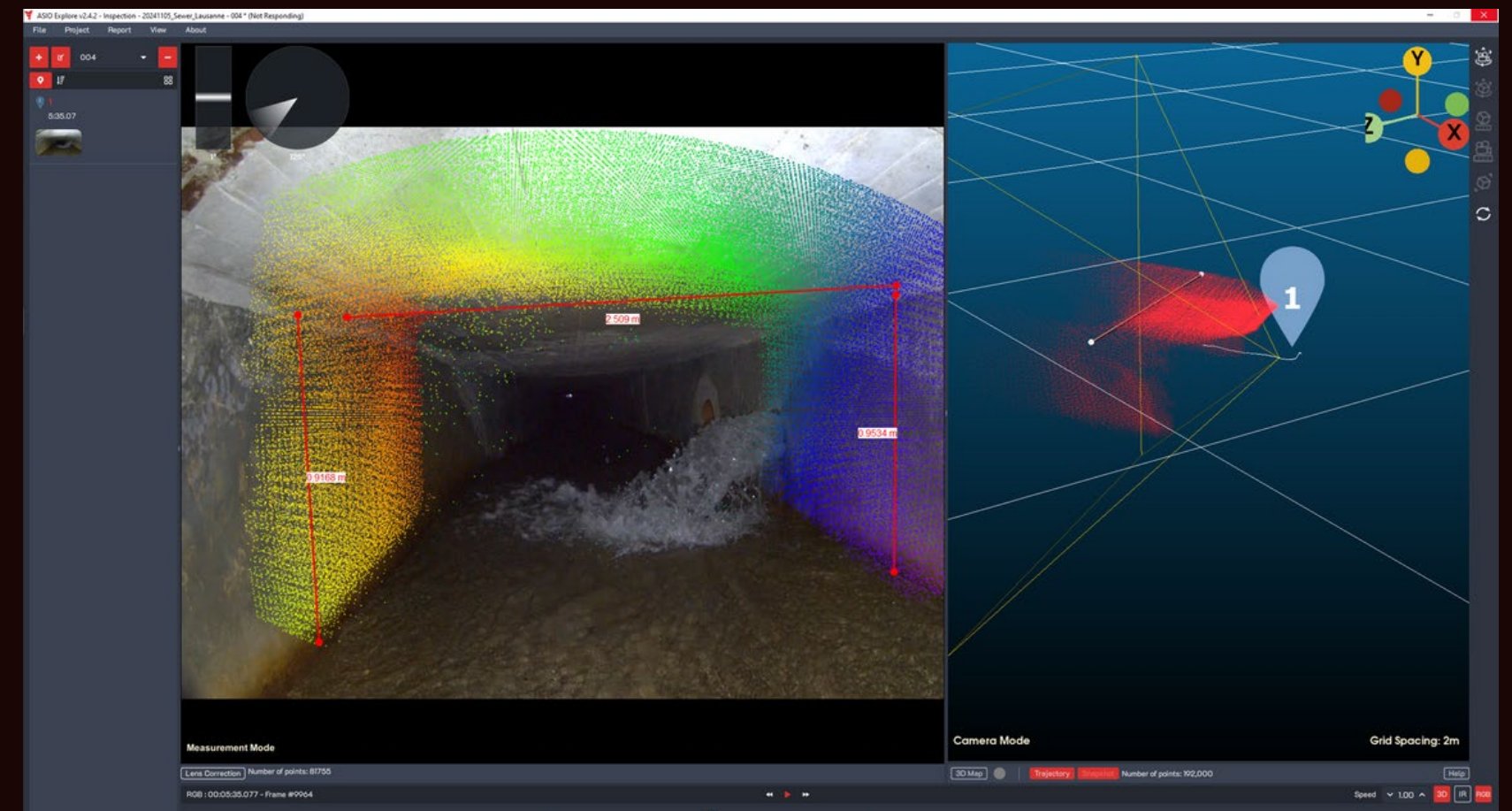
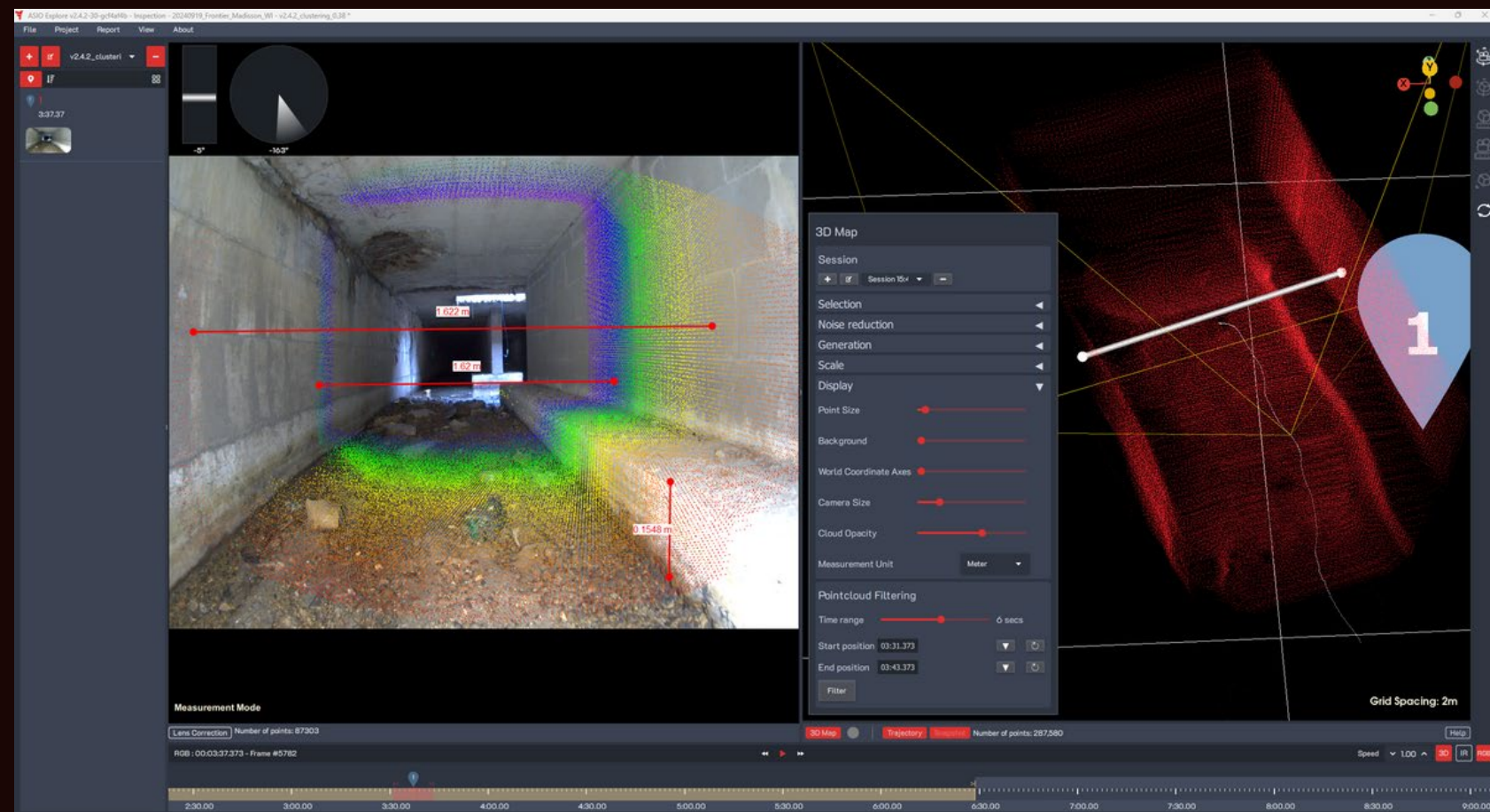


Report generation

ASIO Explore



In-picture measurement



ASIO Explore

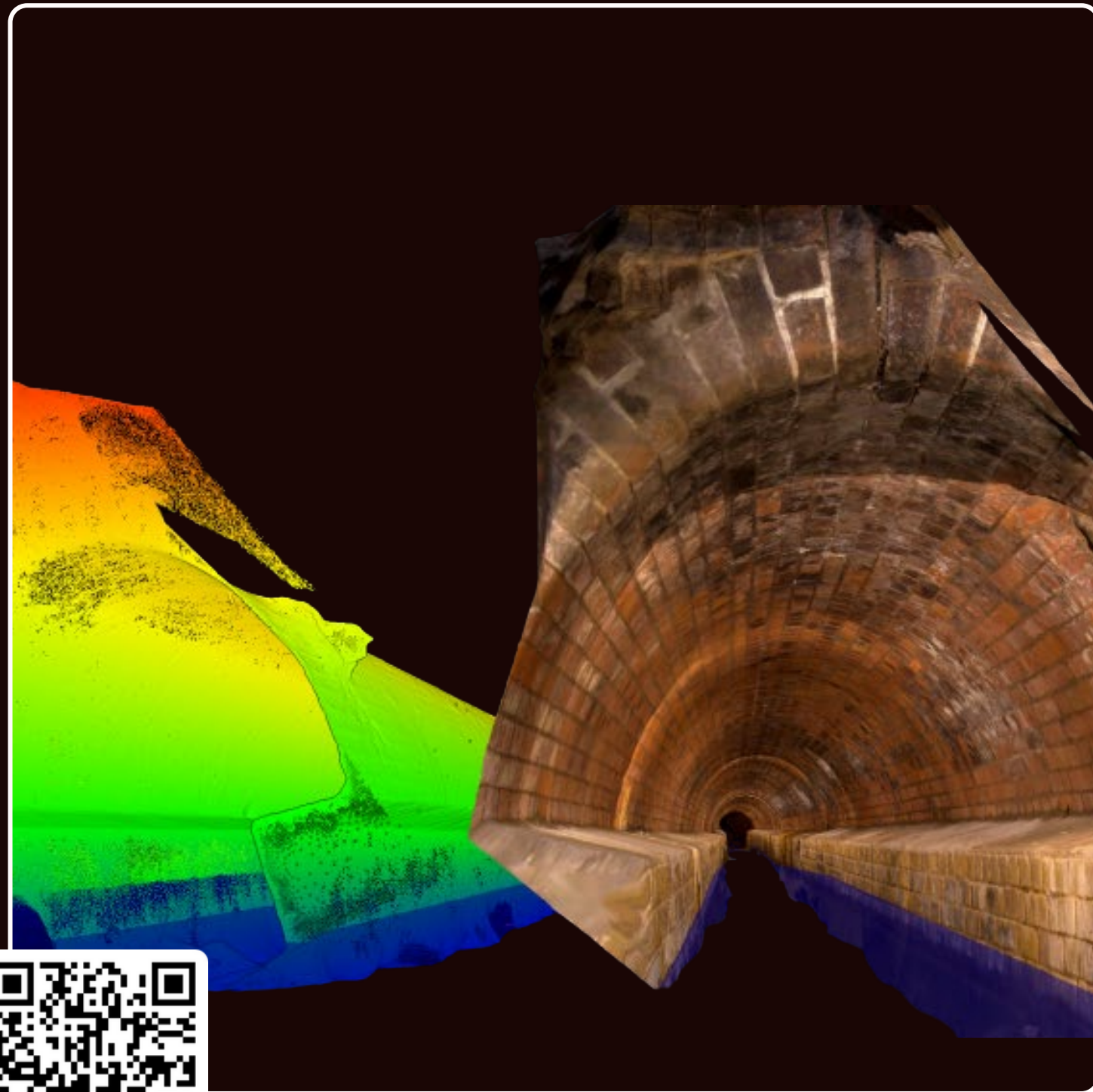


Data processing

The screenshot displays the ASIO Explore software interface. On the left, a vertical sidebar contains a table of contents with the following items:

- The Dam: 0:24.10
- Structure: 2:18.68
- Start HERE: 3:13.39
- Mid gallery check: 6:10.94
- End HERE: 7:33.68
- Wall right: 10:24.52
- Structure ZOOM: 12:53.72

The main view is split into two panels. The left panel shows a 3D perspective view of a tunnel interior with concrete walls and a dirt floor. The right panel shows a 2D trajectory plot with a color gradient from blue to red, overlaid on a grid. Below the trajectory plot is a temperature map with a color scale from 0 to 4. A white crosshair is positioned on the temperature map. A text box at the bottom of the interface reads: "To show the 3D view, click on the '3D' button".



Cloud -based platform

Streamline your inspection data processing workflow with a powerful platform.



Enterprise Integration



Collaborative & Scalable



Security



Data Management



Digital Twin Management

ASIO Connect



Inspection data management



ASIO Connect



Inspection data management

The screenshot displays the ASIO Connect software interface for inspection data management. The main window is titled "Details der Inspektion - Hydroelectric Power Plant - Factory - 05.05.2024". The interface is divided into several sections:

- Left Sidebar:** Contains navigation options: "Filtermenü...", "Startseite", "Plan der Objekte", "Objekte", "Plan der Objekte", "Inspektionen", "Werkzeuge", and "Administration".
- Top Bar:** Includes a "KI Analyse" button, a "Zusätzlicher Point-of-Interest" button, and a "Vorheriger" button. A user profile icon for "dlauner" is visible on the right.
- Central Area:** Features a large 3D point cloud visualization of a tunnel. A yellow line indicates the inspection path. A play button is centered above the 3D view.
- Left Panel (POINT-OF-INTEREST):** Lists key inspection points with corresponding images and timestamps:
 - Start:** 0m 3s 368ms
 - Scrap:** 1m 16s 148ms (marked "Schwach")
 - Bending point:** 1m 20s 191ms
 - Mid:** 2m 42s 405ms
- Right Panel:** Shows two video feeds:
 - Farbbild:** A color image of the tunnel interior.
 - Infrarot:** An infrared image of the same area.



ASIO Connect



3D modelling



Business Model



Drone -only Model

Simple one-time purchase of hardware

No recurring fees

CHF 40'000 (list price)



+



Drone -SaaS Model

Hardware and Software purchase

2-year subscription to ASIO Connect

USD 40'980

Connect Standard: USD 4'995 / y

Connect Premium: CHF 16'995 / y

About Flybotix



Founded : 2019 (EPFL spin-off)

What we do : Drone-based confined-space inspection

Team : 30+ and hiring

Presence : EMEA, NORAM, LATAM, APAC

Product

- ASIO Pro (Gen-1) → ASIO X (Gen-2 + D-SaaS, 2024)
- 4 patents

Traction

- 180+ ASIO® systems deployed
- 50+ customers, strong repeat usage
- 35+ global distribution partners

Capital & Recognition

- Seed → Series A (CHF 5.5m, 2022) → Series A extension (~USD 10m, 2025)
- Total funding: ~USD 17–19m



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Our distributor network



35+
Partners

40
Countries

A few of our customers



Customer support

Minimizing downtime, delivering swift solutions when you need them most

How you can reach us:



Website

Flybotix support ticket system. Replies within 24h.



WhatsApp

Live chat support during business hours.



Video call

Live support for complex technical issues during business hours.



Dedicated Support

A dedicated Sales Representative support via phone or email

And More

- Self-Service Support: Knowledge Base, FAQs & Tutorials
- Faster Assistance with Priority Support

Get in touch

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