



Pioneers in Underwater Robotic Inspection & Survey Solutions



Intelligent, Safe & Digital Technology Solutions for
underwater inspections using robotics, NDT and data

Marine Robotics



ROV Mikros & ROV Orca

- ✓ Portable & Modular
- ✓ Electric & Tethered
- ✓ Customizable

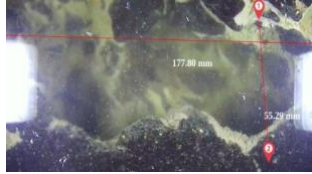
- ✓ HD Camera & Lights
- ✓ Depth Sensor
- ✓ Altimeter



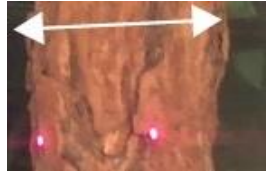
ROV Beluga

- ✓ Up to 120 m depth
- ✓ Up to 1-1.5 knots currents
- ✓ Up to 8 payloads

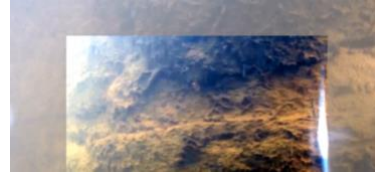
Non-Destructive Testing - NDT



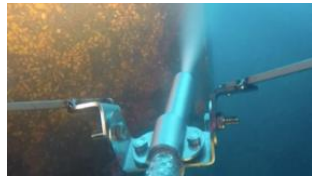
HD Videography



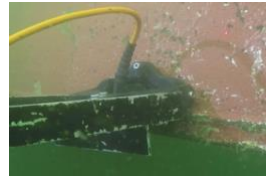
Defect Quantification



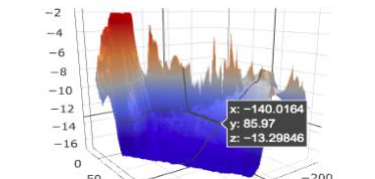
Turbid Water Inspection



Spot Cleaning

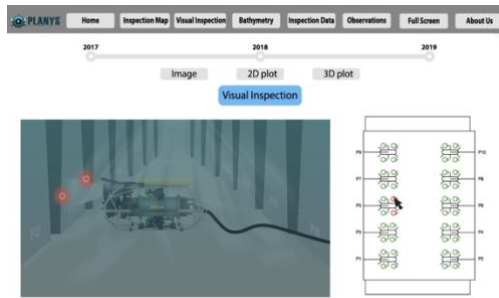


Corrosion Monitoring



SONAR Surveys

Planys Assessment Dashboard



Our signature **AI-enabled digital reporting platform** allows asset managers to take quick informed decisions for maintenance and repairs

- ✓ Geotagging of data with defects
- ✓ Localised defect videos
- ✓ Data Enhancement
- ✓ Easy Navigation
- ✓ Central Data Repository
- ✓ Comparison across years
- ✓ Prediction and Trend Analysis
- ✓ Risk based Inspection (RBI)

WHY US?



Best accuracy to time benchmark in industry



Safer



Digital Solution



Cost Effective



Domain Expertise



Transition from 'time to risk' based protocol

8+

Products

25+

Patents

160+

Projects Completed

Operating 3+ countries

75+ Clients

82 Bridges

31 Ports

4,000+ Hours Underwater

23 Dams

25 Process/O&G

Inspection Applications



Dams

- ✓ Upstream wall
- ✓ Gates
- ✓ Penstock/Tunnel
- ✓ Bathymetry
- ✓ Canal Inspection



Bridges

- ✓ Sub-Structure
- ✓ Pier Inspection
- ✓ Well Inspection
- ✓ Scour Survey
- ✓ Bathymetry



Ports & Terminals

- ✓ Jetty & Under-berth
- ✓ Breakwater
- ✓ Construction Support
- ✓ Bathymetry
- ✓ Insurance Support



Process Industries

- ✓ Water storage tank
- ✓ Cooling tower sump
- ✓ Seawater Intake
- ✓ Water Utilities Line
- ✓ Reservoir



Oil and Gas

- ✓ Single Buoy Mooring
- ✓ Pipeline Inspection
- ✓ Fire Water Tanks
- ✓ Jacket Inspection
- ✓ Construction Support

Clients



Water Resources Department
Government of Maharashtra, India

Daman Ganga Dam

रेल विकास निगम लिमिटेड
Rail Vikas Nigam Limited
(A Government of India Enterprise)



Almatti Dam

Harangi



SOUTH COAST RAILWAY (SCoR)



पश्चिम रेलवे
WESTERN RAILWAY



Port of Rotterdam

Exxon

Government of Maharashtra, India
Public Works Department

Testimonials

“Plans provided a well-prepared report and could tailor their solution based on site conditions. Their team is highly skilled and provide high quality service

Leading Marine Consultant

“Plans’ innovation in the inspection industry is safer, faster & much more accurate compared to traditional inspection methods

Major Port in India

“They gave us extremely high quality data with accurate geo-tagged location of defects quantified. This significantly reduced our internal work and now we can quickly plan for repairs

Chief Engineer of a Major Dam

“Their inspection solutions are helping us transition from ‘time to risk’ based inspection protocols thus saving us a lot of unwanted expenditure and downtimes

Tank Farm Inspection Manager

About Planys

Founded in 2015 by IIT Madras alumni & faculty, Planys is revolutionising the industry with its innovations in marine robotics, advance NDT and digital reporting dashboard. Planys has a very strong multi-disciplinary team of 85+ experts from Robotics, Ocean Engineering, Civil Engineering, Naval Architecture & NDT.



Team comprises of PhDs, Masters & MBA professionals who are passionate about technology



Best Startup, Petro Tech 2016, Ministry of Petroleum Natural Gas



Interacting with the Hon'ble Prime Minister Shri Narendra Modi

- ❖ National Entrepreneurship Award, 2019 by **Ministry of Entrepreneurship & Skill Development**
- ❖ Best Technology for Dams by **Aqua Foundation & Central Water Commission**

- ❖ Maritime India Summit 2016 by **Ministry of Shipping**
- ❖ Winner of Takeda Young Entrepreneurship Award 2016, **Takeda Foundation, Japan**

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AK Rotterdam,
Netherlands.

Regional Office

TCR Arabia

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King Abdul Aziz
Seaport, Dammam,
Saudi Arabia