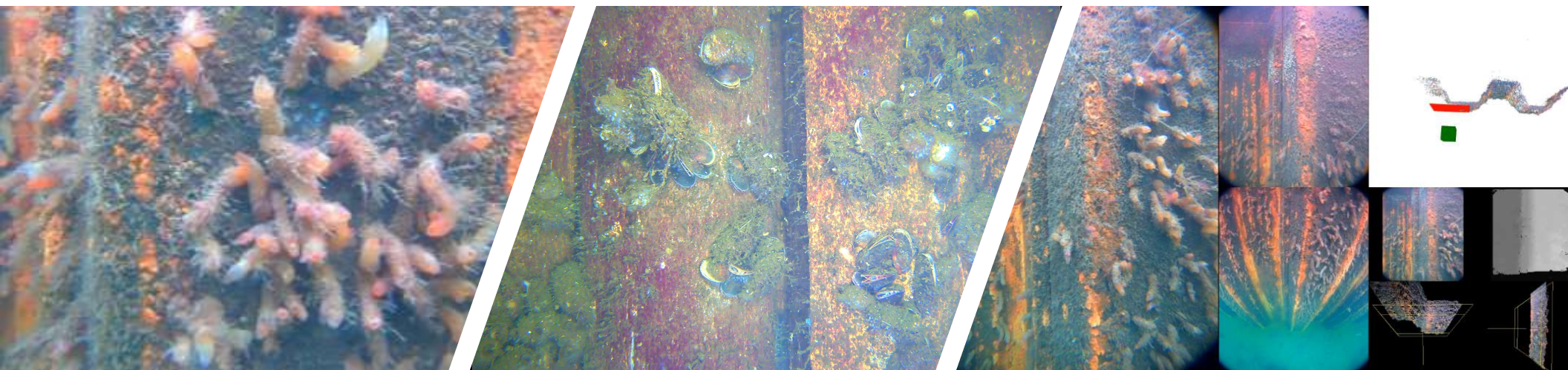




BLUE ATLAS
ROBOTICS



BLUE ATLAS

ROBOTICS



Blue Atlas Robotics – Mission Statement & Vision



DATA

Move beyond video with 3D maps
of your assets which are easy
to compare over time.



Autonomous Robotics Underwater Asset Inspection

Mads A.

CEO



Carl C.

Founder



Oleksandr S.

Senior Software Engineer



Natasha G.

Marketing



Underwater Automation



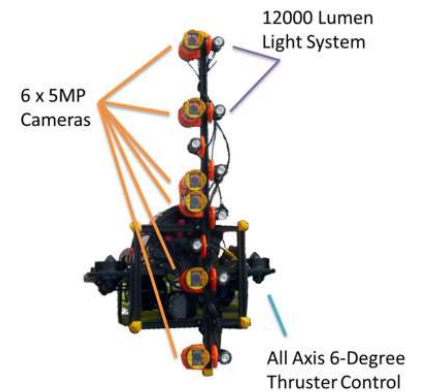
Blue Atlas Robotics – Mission Statement & Vision

Blue Atlas Robotics vision is to develop a better way to understand the impact of the maritime industry on the marine environment through improved imaging capabilities of underwater structures.

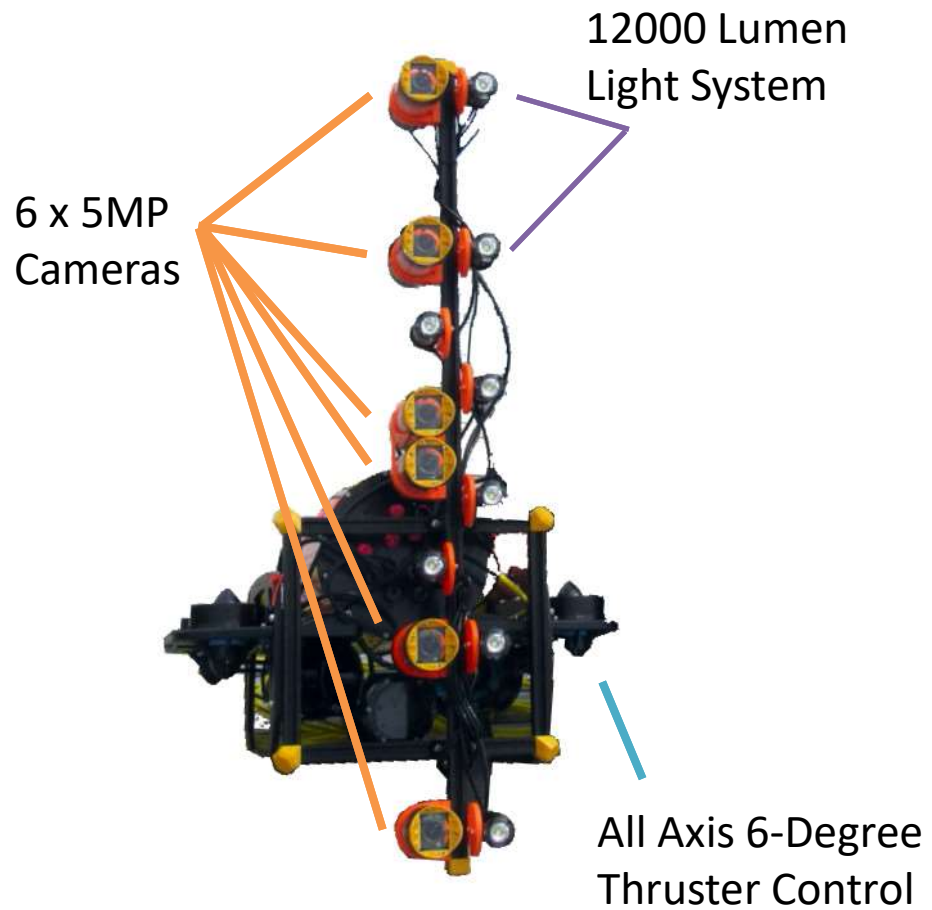
Provide the end-users with an enhanced capability when it comes to making informed decision regarding the integrity and regulatory compliance of the underwater portion of their assets.

Hull inspections have not significantly changed since the introduction of underwater video cameras. Video inspections capture hours of video and contain lots of information, but the information is unstructured, and today its potential value is not fully realized

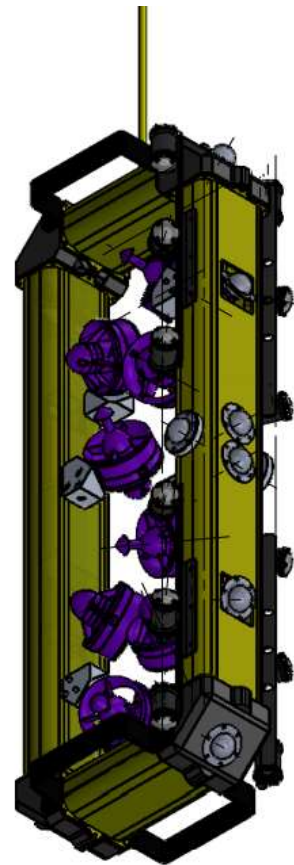
The market opportunity is for us to modernize hull monitoring and underwater inspections by working with a wide range of service providers, product manufactures, and equipment manufacturers, to deploy our automatic hull imaging and analysis technology.



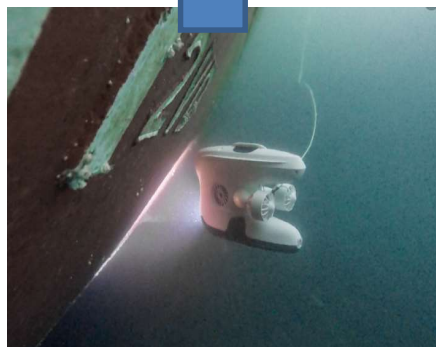
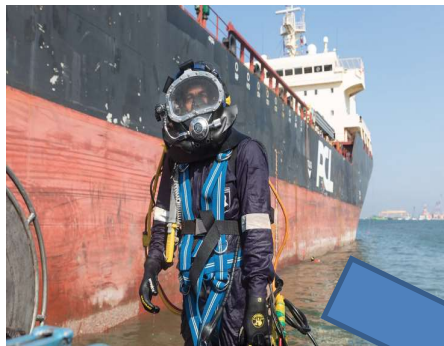
Current and new Conceptual Desing



Underwater Automation



How it is done today



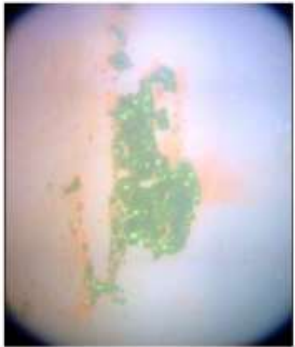
Unsorted, incomplete imaging –
all to be manually reviewed.
No reassurance on quality and
consistency – increase risk of
increase in cost of operation /
regulation none-compliance

Linked 3D Images



New technology applied – unprecedented value created

Huge datasets of consistent, repeatable, clear imagery ideal for automated analysis



Coating Failure



Local Markings



Wear Patterns

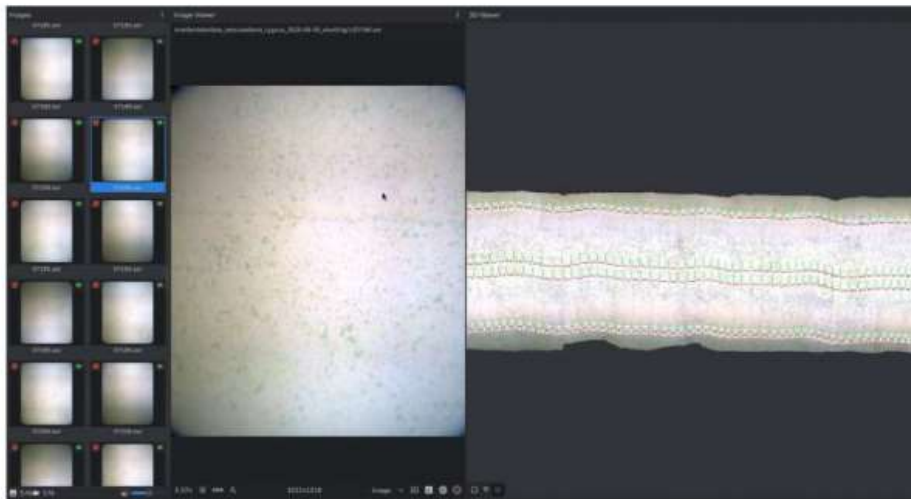
Video
Capture



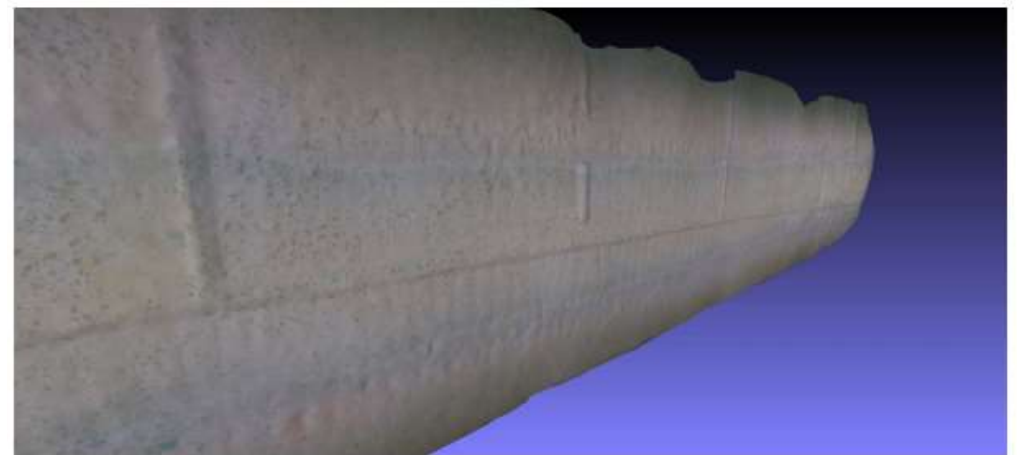
Image Processing
Pipeline



Textured 3D Models
Hull Analytics and Monitoring



Underwater Automation



Market

Shipping is driven by cost management and reduction; the major costs are divided as follows:



Ship Operating Costs

We will focus being able to supply required imaging data within both regulatory on non-regulatory inspections.

- 1. Biofouling and Invasive Species, In Water Hull Cleaning:** The regulatory regime within this area is expected to become more and more stringent, increasing the demand in the market for affordable and cost-effective monitoring and validation methods. IMO have launched GloFouling a Global Industry Alliance (GIA) for Marine Biosafety, part of this will be to develop standard for documenting and monitor fouling and invasive species and with our innovative technology we can be at the forefront of this development. Also, a new standard for In-Water Hull cleaning as currently under review within BIMCO that would further increase demand in the market for imaging and data services that Blue Atlas Robotics are developing. An equally strong driver for monitoring the condition of the hull is the ever-increasing pressure, both from a legislative and cost perspective, to reduce the Maritime Industries carbon footprint. Our technology will become a valuable monitoring tool in the pursue of lowering fuel consumption and achieving the long-term goals of a carbon neutral shipping industry.
- 2. Pre-drydock:** Drydock is the largest maintenance cost, and therefore a contract is aggressively negotiated beforehand. The drydock facility will want to provide as many hull treatments and services as possible, while the operator will want to minimize overall costs. A well planned drydock negotiation can reduce the initial quote by 50%.
- 3. Pre-pooling:** Ship owners may pool their ships and resources to reduce cost variation and increase bargaining power. However, accepting a poorly maintained ship into the pool will incur costs for all other members.
- 4. On-hire off-hire:** These provide a before and after view to detect damage during hire.

Our Value Propositions to the Maritime Industry

Simplified and Complete access to the entire underwater part of your asset.

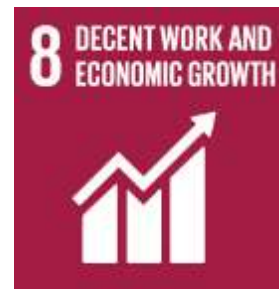
Cost and time effective conditioning monitoring – snapshots / time lapsed / pool surveillance.

Support a safer, less manual labor approach to in-water surveying

See More – Come Closer – More Often – In Less Time – Always At Hand.



Blue Atlas Robotics allows vessel owners to regularly inspect their hulls and ensure that fouling can be proactively managed and hence adding to ensuring an energy-efficient shipping industry.



Blue Atlas Robotics technology will enable the maritime industry to reduce the use of divers, eliminating many high-risk operations and overall contributing to a more cost-effective asset management approach.



Effective preventative maintenance reduces the amount of fuel used in the maritime space. Blue Atlas Robotics' inspection system is a multifaceted, useful maintenance tool.



Blue Atlas Robotics inspections capture HD video footage and stills that will enable ship owners, regulatory authorities, and local government agencies to pro-actively monitor and validate presence of fouling or invasive species on the hull of a vessel.

Where is our journey taking us...

Rapid Product & Service Concept Development
Timeline – before EOY 2021

Selection of recognized external engineering
company to support development

Local Maritime Network onboard – expand outside
DK as we move towards commercializing product