TIDEWISE

Robôs inteligentes

para otimizar operações no mar



Nossa missão é acelerar a transição para uma indústria marítima mais segura e sustentável.



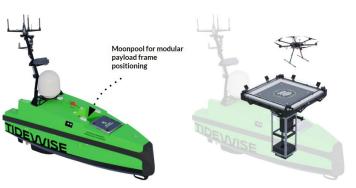


Embarcações autônomas

Drones

Robôs submarinos (ROVs, AUVs...)

Product-agnostic for integration





Tecnologias provadas em campo

Plataformas multifunção



Caracterização de ambientes marinhos



Inspeção de ativos



Logística



Smart Data

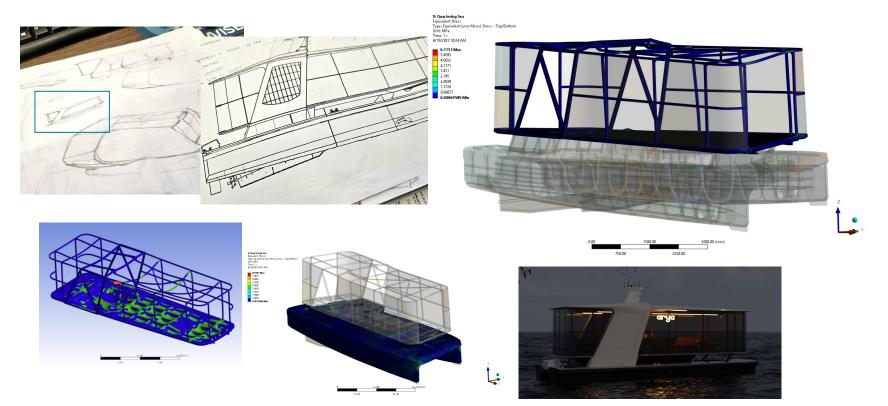


Defesa (em desenvolvimento)



Soluções desde o primeiro rascunho

Até as operações no mar



Nosso ciclo de desenvolvimento de soluções









Ideação

Integração

Prova de Conceito

Entrega da Solução

Business Model

Drone as a Service e consultorias

Clientes

Óleo & Gás

Renováveis

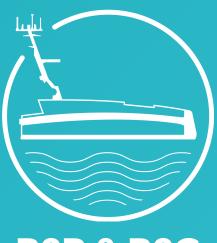
Operadores portuários e offshore

Saneamento

Entidades governamentais

ONGs

DaaS e consultorias



B2B & B2G

Principais aplicações de robôs marítimos no Brasil



Onshore

- Monitoramento de qualidade da água;
- Inspeção de barragens;
- Vigilância;
- Batimetria;



Portos

- Batimetria;
- Leitura de marcas de calado;
- Inspeção de sinalização;
- Vigilância:
- Monitoramento de vazamento de óleo:



Costas

- Inspeção de Shore approach;
- Monitoramento de biodiversidade marinha;
- Monitoramento de vazamento de óleo;



Offshore

- Inspeção e monitoramento de ativos offshore:
- Transbordo;
- Coleta de dados meteoceanográficos;

Powered by **TIDEVVISE**

Fundada em 2019, globalmente reconhecida



Artigo na revista German Wind Power



ndustry News Inspecting of there cables with autonomous boats and drone

» Regarding society and featability. During the site, no incidents, 165 (Health Safety Introoment) acadents or near misses accurated. Under current legislations of USYs cannot operate fully autonomous or remodely in open waters of the Religian coast. Therefore, with support from Divisi Booth of the MIXCS (Alphippia Assistance Univision of Belgiam Cost Guardin and Jana-Baptista Mervaire (Divercio-section of the Alexandrian Cost Guardina) and Jana-Baptista Mervaire (Divercio-section Cost General Hispania (Divercio-section Cost General Hispania (Diversion) and Jana-Baptista Mervaire (Divercio-section) and Jana-Baptista Mervaire (Diversion) and Jana-Baptista Mervaire (Diver



- » Regarding output quality;
 in the bashymetry model of the sealed ourface that the UDY collected, it is possible to identify and waves, dynamic features of the sealed out in a megar ripples, colle fraction structures of the sealed out in a megar ripples, colle fraction structures.
 3. The UDA can produced a high-resolution unless in the collection of the COV to create an accurate ID model of the contraction. The deep resolution vision forcage of the COV, enabling the description vision forcage of the COV, enabling the description.
- A survey mission with an USV can reduce fuel consumption and the amount of CO2 emissions per hour by over 98 34, when compared to a mission with a survey vessel.

 Regarding cost:
 With large reductions in fuel consumption and
- With large reductions in fuel consumption and a reduced need to plan for trained staff to go offshore, USVs promise to substantially reduce the costs associated with inspection surveys.

The PoC shows that USV's have reached the maturity to support offshore OBM activities. Besides that, USV's have the potential to address further use-cases such as the collection of mid-cosen data, the transportation of goods, and the on-boarding of other equipment. As of now, further tests are necessary to validate the development, explore operational challenges and develop a regulatory framework.



Artigo na Offshore Engineer

Artigo na Offshore Energy



Tidewise' Tupan has been working offshore Belgium for Elia, supporting UAV, Lidarand seabed surveys. Photos from Tidewise.

Tidewise Targets Foundation and Turbine Base Inspections

Brazilian startup Tidewise has been making in-roads into USVbased operations. Co-founded in 2019, by a naval architect and a robotics specialist, it launched its first USV, the 4.95 m Tupan, the same year.

It initially developed a UAV-hosting capability, primarily for oil spill detection, for Repsol Sinopec. But this year, for Belgium's Elia, it demonstrated visual inspection capability for offshore wind substations, alongside multibeam data collection, to assess the subsea cabbles, and lidar to create a point cloud of the structure.

Belgian TSO takes up autonomous surface vehicle inspection (Video)

INNOVATION

June 23, 2022, by Nadja Skopljak

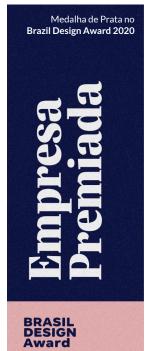
Belgian transmission system operator (TSO) Elia has for the first time used an autonomous, unmanned surface vehicle (USV) to survey its offshore assets.

The USV named Tupan, owned and developed by Brazilian start-up Tidewise, inspected Elia's subsea cables to the Modular Offshore Grid (MOG) in the Belgian North Sea earlier this month.

5 Top Maritime StortUss Operations Management Startups

Premiada no Brasil e na Europa









Nosso time





Rafael Coelho, MsC. CEng Cofundador

Arquiteto Naval com 11 anos de experiência no desenvolvimento de USVs. Projetou e construiu mais de 60 USVs em todo o mundo para empresas e marinhas. Navegador desde os 3 anos de idade já navegou mais de 30.000 milhas offshore. Recebeu a medalha Amigo da Marinha em 2021.



Sylvain Joyeux, PhD
Cofundador

Engenheiro de software com forte experiência em integração de sistemas e autonomia de longo prazo. Há 15 anos entrega com sucesso robôs de aplicação marítima, liderando projetos no DFKI (Alemanha), no SENAI CIMATEC e atualmente na TideWise.

Time multicultural e multidisciplinar. Engenheiros, oceanógrafos, designers...





Junte-se a nós para transformar para melhor a indústria marítima! Vamos inovar juntos?



Rafael Coelho CEO, Co-founder rafael.coelho@tidewise.io +5521967706101