

The second edition of the Hackathon "Smart Port Challenge 2022", was closed on Tuesday, September 27, 2022, with the participation of over 150 participants from around the world.

Organized by the National Ports Agency (ANP) and the National Single Window PortNet in partnership with the World Alliance for Trade Facilitation, this Hackathon dedicated to innovation in the port sector in Morocco was open to any person, startup, company, school or university wishing to propose innovative solutions in response to major port challenges while creating creative solutions, and adapted to the needs of customers of Moroccan ports.

46 teams presented during the final phase of this Hackathon, projects responding to the challenges of this international competition of innovation 100% online. The Smart Port Challenge 2022 ended with the announcement of 4 winning teams.

Indeed, in response to the challenge of reducing the waiting time of ships in the harbor, the team of Siliconesignale Technologies proposed the solution Iport Smart Yards which allows to launch predictive models on the availability of the quays and consequently to propose, to the approaching ships, the adjustment of their speed and thus to reduce both their energy bill and their waiting time in the port. In response to the challenge of controlling the level of air, water and sediment pollution in ports, the architect-designer Mr. Abdessamad ELAICHATI has proposed the PORT-LAB system solution, a mobile laboratory in the form of a container that embeds the latest technologies for pollution control in ports. In response to the challenge of the flow of trucks fluidification, once again, the Siliconesignale Technologies team proposed the "iPort: Monitoring and planning of integrated port resources" solution, a complete digital solution for monitoring and planning of port resources to optimize traffic in order to reduce congestion of truck traffic at the port of Casablanca. And finally, in response to the challenge of facilitating trade processes, the team from wabtec, an American company, proposed the Cargo Dwell & Optimization solution. This web-based solution is based on Artificial Intelligence and Data Analytics to improve the processing of containerized imports and exports in order to reduce the uncertainty of dwell time, improve prediction, synchronization between administrative procedures and port logistics, and the traceability of operations.

At this closing ceremony, the Director General of the National Ports Agency, Ms. Nadia Laraki has first congratulated the participants and winners of this Hackathon unique in its kind on the national and international level in the port sector, then she addressed her warm thanks to all partners, sponsors and experts who have contributed to the organization and success of this event which has experienced

a strong interest from students, engineers, startups and companies from Morocco and many countries in Africa, Europe, Asia and America.

She also thanked the 40 experts and scientists who led the various workshops, webinars and online conferences to accompany the participants throughout the Hackathon and which are available in replay in English and French on the website www.smartportchallenge.ma.

On the same occasion, the ANP Director General thanked the members of the jury composed of 40 eminent experts, logisticians and scientists from Morocco, Switzerland and Sweden who evaluated and appreciated the proposed projects according to the following 4 criteria: customer centric, business and trade oriented, innovative and sustainable and high value added.

This second edition of the Port Hackathon is part of the "SMARTPORT INNOVATION" approach initiated by the ANP, a coordinated and concerted approach to the development of the national port sector to improve its performance, it constitutes a prospective, comprehensive and coherent framework for the harmonious development of ports.

At the end of the ceremony, the National Ports Agency, gave appointment for the next edition of the "Smart Port Challenge" which will take place during the year 2023 by specifying that the port community is pleased to be able to test soon some of the innovative ideas resulting from this Hackathon in the Moroccan ports.