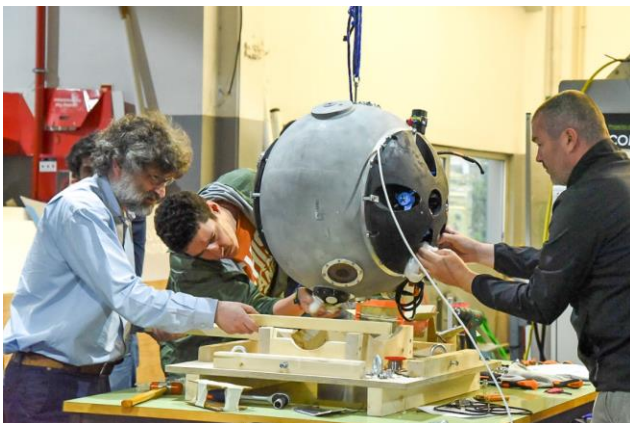


UX-1 final tests in pool environment are a success; Prototype has been shipped to Finland for the first field trials in June

Over the past few months, the UNEXMIN technical teams (TUT, UNIM, UPM and INESC TEC) got together in Porto, Portugal, in INESC TEC's facilities – which is equipped with a testing pool - to proceed with further experimenting on the UX-1 first operable prototype, following the mechanical assembly of the robot, finalised in April. During this period, the UX-1 robot has been throughoutfully tested regarding related hardware, software and working capabilities.

The UX-1 testing period finally ended last Friday, 25th of May, with the final UX-1 tests on the pool. The prototype has now been shipped from Portugal to Finland, where the first field trial is bond to happen, in the Kaatiala mine. At this moment the UX-1 robot has all the necessary instrumentation to perform basic functions – batteries, computer, thrusters, lasers and cameras are among them.



Figures: Left -Scientific instruments assembly; Right – UX-1 prototype testing

The next steps on the project development will involve the first tests in a real environment. The UX-1 prototype will be tested in the Kaatiala pegmatite mine, an open-pit mine with a small underground part, where the robot's main functionalities – movement, control, propulsion, navigation, 3D mapping, data acquisition, and, most importantly, autonomy – will be tested, monitored and improved with a joint effort from the UNEXMIN team. The Kaatiala tests will run from the 11th to the 22nd of June.

MORE INFORMATION

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