

NSW winner for 'Start Up Solution of the Year' at the 2022 iAwards

CONGRATULATIONS to AAIL Dr Avinash Singh and PhD student Sergio Martins for winning a 'Start Up Solution of the Year' award at the 2022 NSW iAwards.

Dr Avinash Singh teamed up with PhD student Sergio Martins as a UTS Startup [SAPIIENT Advanced Technologies](#). They won the Start-Up Solution award 2022 at the iAwards ceremony in New South Wales.



Dr Avinash Singh, Victor Dominello MP, and Sergio Martins (left to right) at the 2022 NSW iAwards ceremony

The iAwards organised by the Australian Information Industry Association (AIIA), is Australia's longest running and most comprehensive innovation recognition program to promote excellence in the Australian digital technology ecosystem. In 2022, the theme of iAwards: The BIGGEST Pitch is 'Real world problems. Real world solutions.'

SAPIIENT Advanced Technologies is the NSW winner in the category 'Start up Solution of the Year' for their ship hull inspection enterprise solution. Their proposed product is an Artificial Intelligence enabled Autonomous Underwater Vehicle (AI-AUV) that can perform routine ships' hull inspections anytime and anywhere. The AI model promises to capture data from the sensors (camera, sonar, etc.) and perform on-board real-time data analysis. The analysed data can be used for autonomous navigation to scan the ship's hull or infrastructure, detect the anomalies and biofouling on the severity scale and use the information for different applications such as generating inspection reports, finding problems on critical infrastructures, etc.

Dr Singh, a founding member of SAPIIENT Advanced Technologies, explained, "We proposed to develop the AI-AUV to perform various kinds of marine operations such as research, survey, and inspection. The idea was ignited through the very first DStart program by Defence Science and Technology Group in partnership with CSIRO in 2021 and has kept growing since then."

For more information about the winners of the 2022 NSW iAwards, please visit [AIIA](#).