

Bangalore based company receives DRDO developed software for Geospatial analysis

Bangalore based M/s MicroGenesis Techsoft Pvt. Ltd has entered into technology collaboration with Defence Research and Development Organization (DRDO). DRDO has done a Transfer of Technology (ToT) for Indigenous Geographical Information System (INDIGIS) developed by its Center for Artificial Intelligence and Robotics (CAIR) to M/s MicroGenesis. The ToT is intended for large scale utilization of this technology in building GIS application products for civilian and defence sectors of Indian and International market. Shri Manoj Tharian, Managing Director of MicroGenesis received the technology from Dr. G Satheesh Reddy, Secretary Department of Defence R&D and Chairman DRDO, in an event organized as part of *Azadi ka Amrit Mahotsav* in DRDO Bhawan, New Delhi, on 14th Dec 2021.

INDIGIS is an indigenous GIS technology designed and developed by Centre for Artificial Intelligence and Robotics (CAIR) Bangalore towards achieving self-reliance for the Indian military in technology for geospatial visualization and analysis. The technology has been developed with the objective of having a home-grown GIS solution to meet the requirements of Indian defence forces. INDIGIS technology is a suite of GIS software libraries that can be leveraged to meet the specific GIS requirements of a collaborative defence environment. The same technology can also be leveraged for civilian GIS application development as well. The ToT to M/s MicroGenesis has been customized to target civilian and export markets too.

MicroGenesis, which has a wide client base across industries, enables clients to capture, and interpret spatial and geographic data that is important to their businesses, then present it on custom GIS solutions. Geographic Information System (GIS) allows companies to discover actionable insights from location data, map layers, and 3D Terrain modelling. MicroGenesis' GIS professionals provide consulting and GIS software development services providing accurate positioning and spatial data management to identify geographical patterns visible only through GIS mapping solutions.

With an industry experience over 20 years, MicroGenesis is known to amalgamate a perfect blend of experience, expertise and engagement models. It is expected to drive the proliferation of INDIGIS technology across multiple avenues – to Government, Corporates and International markets. Shri. Tharian stated that MicroGenesis plans to first begin the proliferation of this indigenous GIS technology with the Defence labs and then extend to other markets.

Through this indigenous GIS technology, MicroGenesis continues to contribute towards the Make in India spirit embedded in the Atmanirbhar Bharat Abhiyaan resulting in providing resilience and self-sufficiency to the country on the GIS technology. Atmanirbhar Bharat is a vision for new India envisaged to be highly competitive on the global stage. MicroGenesis' ToT partnership with DRDO for INDIGIS is expected to be a step forward in this direction.

MicroGenesis has set up a Center of Excellence (CoE) for GIS. The CoE aims at building solution frameworks for IndiGIS and will primarily cater to the proliferation of INDIGIS within DRDO labs. The CoE will focus on the product roadmap and industry-demanding features in Geo spatial Analytics, Satellite data analysis, and GIS with AI. The GIS CoE at MicroGenesis moulds GIS professionals with specialized GIS training programmes along with practical hands-on, industry internships to meet the business objectives.

The DRDO ToT is a software 'capital good' and has immense potential for product development to meet varied usage requirements. This technology provides not only an opportunity for contributing to various national missions and job creation in the Indian IT market, it also provides a platform for M/s MicroGenesis to cater for global needs of GIS technology for military and civilian purposes.

