

IAF EARTH OBSERVATION SYMPOSIUM (B1)
Earth Observation Applications, Societal Challenges and Economic Benefits (5)

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OHB DIGITAL SOLUTIONS FOR EARTH OBSERVATION

Abstract

During the past decades, OHB established themselves as one of the three key players of the European space industry, taking part to major space programmes with a leading role. The companies of the OHB Group cover all stages of the value chain, from development, integration and testing of satellites to launchers (access to space) and in-orbit terrestrial services. Another field of operation addressed by OHB Group is the exploitation of data generated by space-based systems. The paper will give an overview of the digital solutions for Earth Observation that are currently in development and implementation phase at OHB. These solutions mainly rely on OHB's heritage in building space systems, including satellite platforms and Earth Observation payloads and support various domains of application, like maritime surveillance, agriculture, border security and energy. The paper will also discuss the methodologies based on artificial intelligence that are applied in the different solutions. Eventually, an illustration of the related potential business cases will be given.