

## **Abstract: “Micro- and nanotechnologies for space”**

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Kongsberg Defence & Aerospace, Division Space & Surveillance delivers a broad spectrum of equipment, systems and services related to space customers in more than 40 countries. Our portfolio includes equipment and components for the European heavy-lift launchers Ariane 5 & 6, equipment for communication, navigation, earth observation satellites as well as scientific space probes and space exploration. The division is also a world-leading supplier of satellite ground stations for downloading and processing satellite data, as well as a supplier of satellite services from ground stations at Svalbard in the Arctic, the Antarctic and numerous other locations.

In this industry talk, we give a short introduction to the company, our products and their applications, before we take a deeper look into the micro- and nanotechnologies found in some of our equipment. We will discuss the industrial aspects and high-reliability requirements associated with using these technologies in a space environment, as well as some of our ongoing R&D activities for the next generation of products.