

LR Systems selects Aviolanda Aerospace in Woensdrecht as its production site for large robot systems

Hoogerheide, 23 May 2016

LR Systems has chosen Aviolanda Aerospace as its production site for the assembly, test and delivery of large robot systems. On May 4, 2016 Aviolanda Aerospace and LR Systems B.V signed an agreement to jointly invest in the final design of this 4500 m² production facility, which can accommodate the largest robots in the world. The construction will start in August this year and the facility will be ready by mid-2017, just in time for the 1st production robot system.

The first robot systems will be used to precisely deploy a 20 kW laser to very accurately remove paint from any size commercial or military aircraft. The robot includes an autonomously controlled mobile base and with a reach of 25 meters and a weight of 48 ton it will be the world's largest robot. This size is necessary to handle the largest aircraft, such as the A380. The robot allows a much faster and cleaner process (50% faster than traditional methods) and contributes to a significant improvement in labor conditions and to a reduction of CO₂ emissions by up to 85%.

"Aviolanda is a technical maintenance cluster, that together with innovative partners looks at the future of aircraft maintenance engineering. The concentration of knowledge in the field of surface treatment fits into the Aviolanda ecosystem and meets the requirements of its partners "said Ed Heinen, Director Aviolanda Aerospace.

LR Systems expects to deliver 8 systems per year to customers world-wide not only to the aerospace sector but also to other sectors, such maritime, oil & gas, transport etc.

Paul van IJsselstein, CEO LR Systems: "With a combination of innovation, technology and global strategic cooperation we aim for the industrial leadership of large robot systems. As such we see ourselves as a leading player in the process of change that will be necessary to prepare the maintenance sector for the future development in the aviation industry and beyond."

