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## **LACROIX Electronics continues its transformation and digitalises Design For Manufacturing (DFM)**

**LACROIX Electronics, a specialist in electronics sub-contracting, announces the deployment of Siemens VALOR NPI across all its sites. The function of this software is to reduce deviations between the design of an electronic board produced in the design office and its factory mass production capacities. With 1,000 design rules automatically processed in record time, identification of potential improvements and better time allocation among teams, the solution provides a gateway into the electronics industry of the future.**

### **DFM: seeking the best match between design and production**

*“The NPI (New Product Introduction) process is critical for industrial performance in the electronics sector, whether from the point of view of costs, quality or time. The Siemens VALOR NPI is a DFM tool which can be used to eliminate, as of the design phase, potential problems which might otherwise arise in the course of production. The principle is very simple: the software includes over 1,000 predefined controls which can be used on the project, both at manufacturing level and during assembly of the printed circuit,”* explains Alexis Morlière, managing director of Cadlog France, partner of LACROIX Electronics in the implementation of this solution.

With the automation of this matching process, technicians can now devote more than 75% of their time to high added value tasks, inverting the proportions under the previous situation. Thanks to the time saved, the DFM teams can provide broader support to customers, offering them a wider range of solutions to obtain the optimal balance between quality, cost and turnaround times. Lastly, the solution makes it possible to safeguard the company’s expertise by transferring a large number of production rules acquired through experience into an intelligent database.

### **This solution confirms the positioning of LACROIX Electronics at the cutting edge of industry 4.0**

For the last year, numerous database configuration workshops have involved teams from LACROIX Electronics, and these workshops will continue over the long term in order to pursue the virtuous circle of the learning company. LACROIX Electronics is one of the first Electronics Manufacturing Services (EMSs) in its category to have deployed this solution. This advance is fully in line with the industry 4.0 strategy of LACROIX Electronics, embodied by the SYMBIOSE factory scheduled to open in 2021 in Beaupréau (Maine-et-Loire - France).

*“The VALOR NPI solution is a major contribution to the LACROIX Electronics factory of the future. This tool now enables us to troubleshoot designs in order to improve their quality of manufacture. I am convinced that its long-term use will have a significant impact on capitalisation of know-how, improvement of the service provided to customers and acceleration of production readiness,”* explains Benjamin Gauchenot, VP Quality and Operations at LACROIX Electronics.

LACROIX Electronics will be present at the Productronica trade show in Munich, from November 12<sup>th</sup> to 15<sup>th</sup>, including participation to a conference dedicated to DFM.

#### **ABOUT LACROIX ELECTRONICS**

Ranking among the top ten European EMS companies in Europe, LACROIX Electronics specialises in electronics sub-contracting for the industrial, home-automation, healthcare, automotive, civil and defence avionics sectors. With more than 3,300 employees, LACROIX Electronics achieved a turnover in 2018 of 337.5 million euros, including intra-group sales.

Through its four factories and its design office, LACROIX Electronics offers comprehensive industrial solutions, from design to serial production of electronic assemblies and sub-assemblies in Europe and North Africa. Its recent partnership with FIRSTRONIC LLC also enables LACROIX Electronics to support its customers in North America.

LACROIX Electronics is an activity of LACROIX Group, an international technology provider which achieved a turnover of €468 in 2018 and has some 4,000 employees.

By designing and industrially producing connected, innovative devices and technologies, LACROIX Group enables its customers to make the world smarter and more responsible, and to gain a better understanding of electronic innovation, as well as flows of data, people, water and energy.

To find out more, visit the sites: [www.lacroix-electronics.fr](http://www.lacroix-electronics.fr) et [www.lacroix-group.com](http://www.lacroix-group.com)

#### **ABOUT CADLOG**

Cadlog is the technology partner of the electronics industry, having worked in the sector for over thirty years. In close collaboration with its partners – including Siemens and Mentor Graphics – it provides solutions to improve the industrial performance of its customers, from design to manufacture, by way of industrialisation.

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