



ALAMO ENGINEERING GMBH SUCCESS STORY



SOFTWARE PRODUCT SOLUTION ELECTRICAL SYSTEM & HARNESS DESIGN

VeSys® Design and VeSys® Harness

Solution Partner Smart Expert Digital Industries Software	
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ALAMO stands for aircraft **AL**terations **And** **MO**difications and is an EASA.21J.737 Approved Design Organization with additional DIN EN ISO 9001: 2015 certification.

The most important business areas of ALAMO Engineering include modifications and upgrades of cabin systems, audio / video on demand, high-end SATCOM communication solutions, as well as modifications and upgrades of cockpit and cabin systems including upgrading of the interior.

„The biggest challenge we have is to inspire our customers with innovative solutions“, says Jörg Gorkeant, General Manager, ALAMO Engineering.

Particularly for companies in the aviation industry, continuous growth and the achievement market stability are a major challenge. In this context, ALAMO Engineering is tasked with the efficient development of high-quality solutions for its customers.

Due to the existing software environment, which consists of the CATIA® MCAD system and the ENOVIA® 3DExperience® PLM system from Dassault Systèmes, we initially decided to use CATIA® Electrical for the wiring harness development. When first put into use, the electrical design solution from Dassault Systèmes turned out to be too complex to handle and was found to be unproductive.

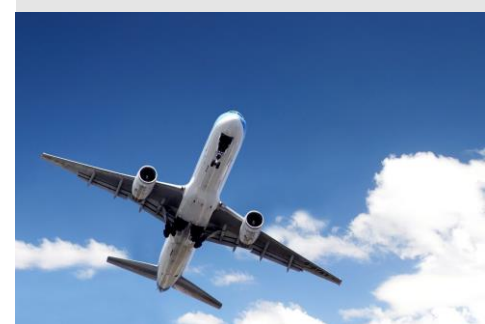
Following a search request within the aviation industry eco-network, TRIAS Mikroelektronik and the solutions offered in the area of wiring harness development was recommended to ALAMO Engineering.

CUSTOMER PROFILE

ALAMO Engineering GmbH is a company within the aviation industry with extensive knowledge and experience in design, verification and official certification of changes to commercial and private aircraft, including the production of installation kits and components.

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TRIAS 
mikroelektronik GmbH

CUSTOMER REFERENCE
CORPORATE REFERENCE

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In the end, the decision was made in favour of the Siemens Digital Industries Software electrical design solution VeSys® Electrical Bundle, consisting of VeSys® Design and VeSys® Harness. What was convincing here were the features that the ECAD system is library-supported, which enables very productive work and that existing circuit diagrams can also be implemented. The user interface is also very intuitive and largely self-explanatory.

„We see the advantages of VeSys® above all in the structure of the database, with quick implementation, and extraction of linked BOMEs including generation of electrical lines and parts lists“, says Jörg Gorkenent, General Manager, ALAMO Engineering

The small IT footprint of VeSys® Electrical Bundle was very much appreciated by ALAMO Engineering from the start, as was the continuous coaching of TRIAS Mikroelektronik in the practical use of the software, as well as the quick reaction of the TRIAS Mikroelektronik technical team in relation to all questions.

There was also the option of using a financing offer from Siemens Financial Services through TRIAS Mikroelektronik, in order to unburden the cash flow.

ALAMO Engineering has been working with VeSys® Electrical Bundle on a daily basis for the creation of electrical construction data (Wiring Designs, BOME and Harness Manufacturing) since October 2019, and with this experience, the efficiency within a competitive industry is growing.

TRIAS mikroelektronik

Since 1989 TRIAS mikroelektronik GmbH has been offering software product solutions in the fields of FPGA, IC and PCB design, as well as for the design of wiring harness systems and on board networks.

Our customers are mainly small to medium size businesses (SMBs), operating in high-tech electronics within the mechanical engineering, aerospace, vehicle construction, medical equipment, automation, IT, Robotics and /or defence systems industries.

www.trias-mikro.com