POLYRACK
TECH-GROUP
Steinbeisstraße 4
75334 Straubenhardt
Germany
Phone +49 (0)7082 7919-0
info@polyrack.com
www.polyrack.com

Press Release

POLYRACK TECH-GROUP live at Space Tech Expo Europe:

Case- and system solutions for the Aerospace industry

November 16-18, 2021 in Bremen (Germany) – Hall 5, Booth P34

Straubenhardt (Germany), October 25th, 2021 – The POLYRACK TECH-GROUP will be participating live on site at Space Tech Expo Europe from November 16-18, 2021 and will be exhibiting innovative enclosure and system solutions for the aerospace industry in Hall 5, Booth P34. The portfolio ranges from standard products to customer-specific processes and product developments.

Safety, reliability and quality are first priority in the aerospace industry. The POLYRACK Aerospace GmbH has achieved the **EN 9100 certification** from DEKRA in 2020 as an acknowledgement of its comprehensive and seamless quality management in the aerospace industry along the entire supply chain.

The **Rugged MIL ½ Short ATR Chassis** is an extremely rugged enclosure platform designed particularly for harsh environments. It protects electronic components from mechanical, climatic, chemical and electrical influences and is available as a dip brazed aluminum construction as well as a sheet metal bending solution according to ARINC 404A. The platform has a passive cooling system (conduction cooled) and complies with MIL Standard 810 and ARINC 404A specifications. In addition, the ATR chassis can easily be adapted into a complete system, using power supplies, I/O interconnect cards and backplanes according to VITA standard (VMEbus, VME64x, VPX, OpenVPX) or PICMG standard (CPCI, CPCI Serial, CPCI Plus I/O).

For rugged applications, POLYRACK offers a customized **SFF-ATR** and a **3-slot open VPX backplane**. The system is lightweight and has a horizontal card cage that can be equipped with cards with a power consumption of up to 60W. It complies with protection class IP65 and is used in helicopters, among other applications. In addition to the 3-slot version, a 5-slot version according to ARINC 404A standard is also available. Systems according to ARINC600 are used both as sheet metal applications and as milled aluminum variants in civil and military aviation applications.

POLYRACK supports companies from process development to product design, system development and all the way to technology and material consultancy. The solutions include small and large components, fully or partially assembled solutions as well as fully functional products.

Pictures: (Source: POLYRACK)

Rugged MIL ½ ATR Chassis by POLYRACK.

Rugged Air-Cooled ¾ ATR VME System by POLYRACK

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About POLYRACK TECH-GROUP (www.polyrack.com)

The POLYRACK TECH-GROUP develops and manufactures high quality standard cases and customer-specific enclosure solutions. Thanks to a broad range of technologies in the mechanical manufacturing, systems engineering / electronics, plastics and surface finishing, POLYRACK offers electronic packaging for every need. The service offering extends from consulting in the conception phase, development, manufacturing and assembly right through to logistic solutions and sourcing services.
The group of companies comprises POLYRACK Electronic-Aufbausysteme GmbH, RAPP Kunststofftechnik GmbH, RAPP Oberflächenbearbeitung GmbH, POLYRACK Aerospace GmbH, Metalle in Form Geräteteile GmbH as well as subsidiaries in America, Belgium, China and Switzerland. The owner-managed company has around 450 employees worldwide and achieved a turnover of 76 million euros in the group in fiscal year 2020.

Press contact:
POLYRACK TECH-GROUP, Maximilian Schober,
Phone +49 7082 7919-771, maximilian.schober@polyrack.com

Agentur Lorenzoni GmbH, Public Relations, www.lorenzoni.de
Sabrina Hausner, Phone +49 8122 55917-11, sabrina@lorenzoni.de