MRO Europe, London, October 19th, 2022

Predictive optimization for Revima's Supply Chain by Lokad

Revima, the leading independent APU and landing gear MRO specialist, announced the deployment of a predictive optimization solution to upgrade its supply chain, in partnership with Lokad. The goal is to reduce the TAT (turn-around-time) for APU & Landing gear repair and overhaul operations, and to optimize inventory costs for spare parts.

This technology features probabilistic forecasting and differentiable programming, which are both recent breakthroughs for aviation supply chain. On the one hand, probabilistic forecasting applied to demand, lead time and scrap rate embraces the very high uncertainty and variability in aviation. On the other hand, differentiable programming allows to automatically extract patterns from complex supply chain processes, as found in the maintenance operations associated with aviation components.

Olivier Legrand, **Revima Group** President & CEO, said: "Aviation has been promised inventory optimization solutions since I started my career over three decades ago. However, every time, aviation proved too hard: too many parts, too many processes and too little volume. With Lokad, we have finally found a partner that can integrate the aviation expert knowledge of Revima's teams right into our systems. And it's AI, as 'augmented intelligence' for aviation, combines latest Artificial Intelligence technology with Data Scientists screening the data."

Joannes Vermorel, **Lokad** CEO, commented: "Aircraft component Maintenance, Repair & Overhaul is one of the most maddeningly challenging supply chain there is - even by aviation standards. It took Lokad almost a decade of intense aviation-centric R&D and experience to even make possible the optimization of a supply chain like Revima's. Lokad is presently already optimizing more than 1 billion USD worth of aerospace assets, including aircraft engines. The digital transformation plan of Revima will let us redefine what supply chain efficiency means for aviation MRO."

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More about Revima – www.revima-group.com

Revima is a leading independent MRO (Maintenance, Repair & Overhaul) solutions provider, specialized in APU, Engine Parts, and Landing Gear for civil and military aircraft through five dedicated services: Repair & Overhaul, Engine Parts Repair, Material Solutions, Digital Solutions and Leasing.

With committed and passionate employees across locations in France, Asia, North America, and the Middle East, Revima boasts over 60 years of MRO expertise. Revima supports aircraft operators, lessors, and repair stations worldwide, positioning this company as one of the most experienced MROs in the world. Revima is an EASA & FAA Part 145 certified organization, as well as benefiting from approvals from numerous agencies.

More about Lokad – www.lokad.com

Lokad is a software company that specializes in the predictive optimization of supply chains. Lokad's technology is a mix of machine learning, mathematical optimization, and big data. Founded in 2008, Lokad is headquartered in Paris, France. It serves about a hundred companies world-wide, most of them outside France.