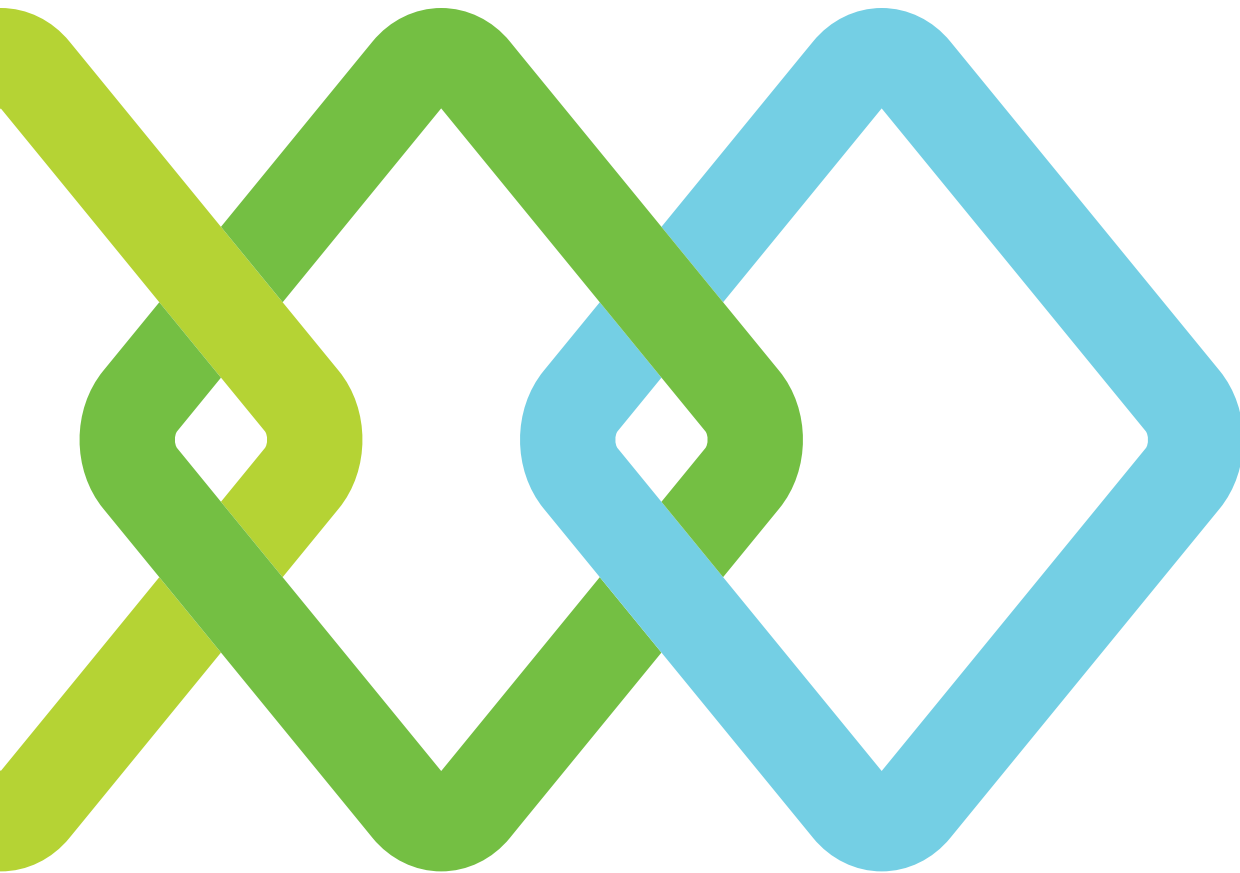




Partnership Between Professionals



SOLUTIONS DIVISION

MSK – SETTING THE STANDARD FOR CONTRACT MANUFACTURING



Our key promises are **Outstanding Supply Performance**, **Exceptional Quality**, **Cost Efficiency** and **Engineering Excellence**. Due to our long-term stability and strategical approach, we are proud to present us as a highly **Reliable Partner**.

SUPER SUPPLIER

MSK is a leading supplier of plastic components, assemblies and complete cabins for offroad machines and other industries.

Our experience and professionalism make us a superior partner for the manufacturing industry all over the world.



OUR BUSINESS SEGMENTS



CABIN MANUFACTURING

MSK is the leading European manufacturer of smartest cabins offering selected customers full service; including design, prototyping as well as low, mid and high volume cabin production supported by plastic parts.

At cabin manufacturing we promise an outstanding supply performance and reliability to our customers. We have over a half-century experience in cabin manufacturing. During these years we've delivered hundreds of thousands cabins to our customers. We really know everything there is to know about safety cabins!

ENGINEERING KNOWLEDGE

- Product and component engineering
- Metal parts engineering (sheet metal and deep drawn parts)
- Steel profiles
- FEM calculations
- Prototypes, pre-series and O-series
- Tooling and jig engineering
- Mould engineering
- Material selections
- Component and supplier selection
- Design For Manufacturing and Assembly (DFMA)
- Product testing
- ROPS and FOPS testing
- Packing engineering



Check out our
manufacturing processes
mskgroup.fi/cabins

OUR PROMISES

OUTSTANDING SUPPLY PERFORMANCE

In our processes, we focus on delivering reliability of 100%. We do not tolerate any delays in our deliveries. We work very closely together with our customers and adapt to their processes as agilely and flexibly as required.



Our production planning and control system are based on modern ERP and MES systems. The key to our effectiveness and minimised failures is in the continuous development of processes. We manage to keep our processes trimmed by using OEE (Overall Equipment Efficiency) measuring.

To guarantee zero missing parts we emphasise controlled and efficient internal and external logistics. We also keep our core manufacturing processes in our own hands and operate closely with our long-standing and reliable international supplier network and subcontractors.

INJECTION AND REACTION INJECTION MOULDING



MSK PLAST HARD FACTS

- Over 150 active customers
- Over 1 300 active moulds
- Over 1 600 active products
- Scale from under 1.0 gram to over 3 meter parts
- Over 100 different technical plastic raw materials in stock
- Plastic consumption >1 300 tons per year
- Products delivered daily all around the world – even on a one day notice
- ISO 9001 and ISO 14001 certified
- Factory floor >13 000 m²

OUR PROMISES

COST EFFICIENCY

We know that price and costs are critical parameters in the industry and our customers' businesses. Therefore, our target is to offer the lowest total costs and long-term price stability.

OUR OFFERING

- Consulting for plastic parts in relation to material selection, design, industrialisation, annual volume and costs
- Selection of correct manufacturing method:
 - Injection moulding
 - Reaction injection moulding
 - Vacuum / thermo forming
 - Rotational moulding
 - Blow moulding
- Detailed plastic parts engineering
- Mould engineering
- Mould flow analyses
- Rapid prototypes
- Prototypes with pre-moulds
- Design For Manufacturing and Assembly (DFMA)
- Packing engineering



Check out our manufacturing processes
mskgroup.fi/plast



MSK PLAST OY
SUPPLIER OF
THE YEAR 2018
– LOGISTICS

To achieve this, we rest on cost transparency, efficient purchasing, flexible automation and significant volumes. Costs are often defined in the engineering phase of a product design. We use our engineering experience and know-how to help our customers in the industrialisation of their products.

We have long experience in demanding plastic components, the engineering of cabins and related tooling, moulds and jigs. All that experience makes us a partner, who finds the most cost-effective and productive methods for manufacturing. Despite continuous cost hunting, we never compromise on other drivers in favour of lower prices.

REACTION INJECTION MOULDING

APPLICATIONS



INJECTION MOULDING



OUR PROMISES

EXCEPTIONAL QUALITY

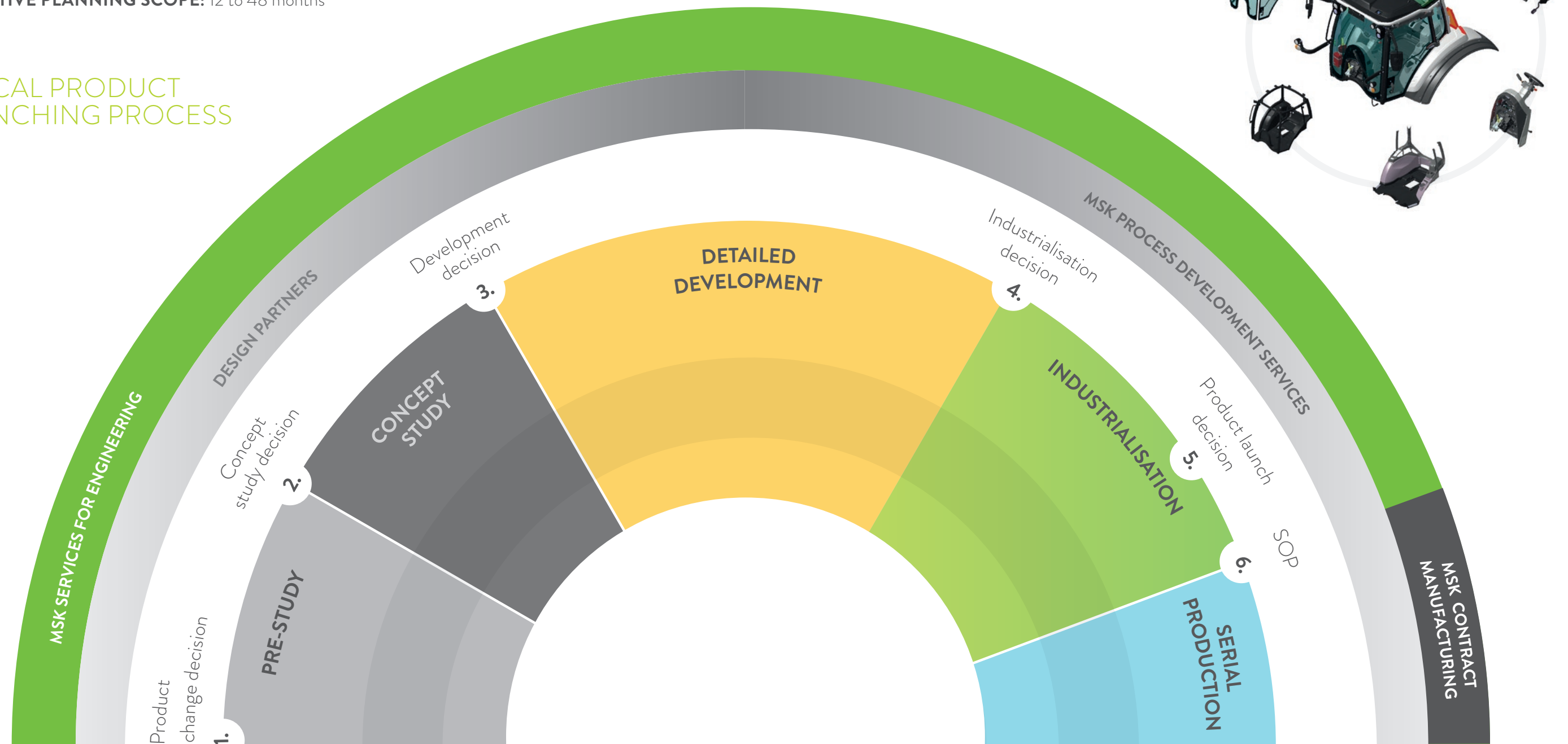
Our target is zero defects in quality. This can only be reached with complete transparency and by openly and continuously searching root causes. We constantly measure quality and review processes and KPI's with customers.

We are frequently audited internally and externally and also by our customers. We use quality gates to prevent potential faults moving through the process. In our testing premises, we test and measure parts or complete assemblies before delivering them to our customers. Moreover, we are certified according to ISO 9001 and ISO 14001 quality standards.

ENGINEERING SERVICES

INDICATIVE PLANNING SCOPE: 12 to 48 months

TYPICAL PRODUCT LAUNCHING PROCESS



OUR PROMISES

ENGINEERING EXCELLENCE

We believe in deep partnership and technical collaboration with our customers. Our customers are experts in their products and applications, but we offer our knowledge when it comes to engineering plastic/metallic parts, assemblies or complete cabins for their products. We can

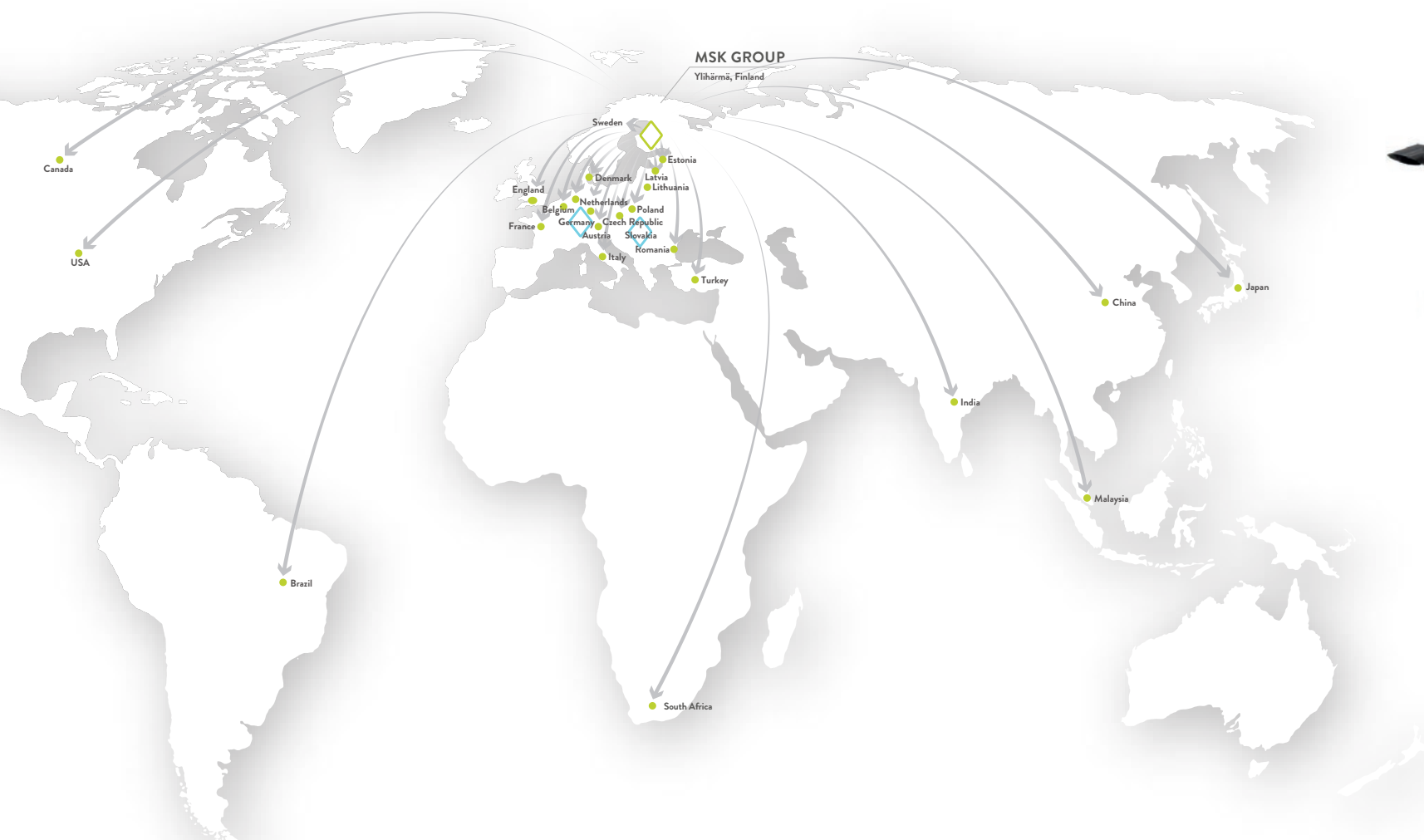
provide our customers with engineering solutions at every step of the way: engineering individual plastic or metallic components; parts, moulds and jigs related to manufacturing; design and engineering of complete cabins with all parts. We seek to find the perfect solutions for our customers by using our profound knowledge of different

materials and manufacturing methods, combined with our wide supplier network. We can also maintain product data management (PDM) of different products and spare parts over the whole life cycle of customer products. In our engineering, we use all the most common 3D CAD systems and modern simulation software.

GLOBAL PARTNER ALL
AROUND THE WORLD

TOGETHER WE SUCCEED

"We are the perfect partner for companies who are looking for a long-term partnership and development together with us."



reddot design award
winner 2011



reddot award 2018
best of the best



reddot award 2016
winner



MACHINE
OF THE YEAR 2016



MACHINE
OF THE YEAR 2017



OUR
PROMISES

RELIABLE PARTNER

MSK Group has been in the industry for over 60 years. Of that time we have manufactured safety cabins over a half-century. We are family-owned and have a stable ownership striving for long-term success and strategy. We are financially strong and

ready to invest and improve productivity with our customers – even when times were economically challenging. Thanks to our background, we are convinced that we are the most reliable partner for our customers.

SUPER SUPPLIER



MSK Cabins & Junkkari, Ylihärmä, Finland



Juncar, Lapua, Finland



MSK Plast, Ylihärmä, Finland



MSK Matec, Döbeln, Germany



MSK Matec, Lipany, Slovakia



MSK GROUP HARD FACTS

- Founded in 1950
- Family owned business in 3rd generation
- Over 70 years of experience in the manufacturing industry
- Leading Finnish supplier in contract manufacturing

EST.
1950

- Established in 1950



- Personnel > 905



- Capacity Cabs/year > 50 000



- ISO 9001 and ISO 14001 Certified



- Renevue 2022 > 207 MEUR



- Factory floor area 76 000 m²

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