

Re-wiring the electric vehicle world

Formed in 2003, Elektromotive is the original electric vehicle charging station company.

Based in Brighton, it is a leader in advanced recharging solutions, providing 23 countries with Elektrobay® charge points for homes, workplaces, commercial car parks and on-street locations.

Elektromotive was the first company to operate charge point user networks, the first to introduce public access rapid DC charge points, the first to introduce cardless payment and pay-as-you-go charge points, and the first to pass 1 million hours of operational recharging.

Today, Elektrobay® charge points are being installed in shopping centres, car parks, on-street and in home garages around the world. They are also being supplied to Nissan, Renault, Peugeot, Citroën, General Motors, Toyota, Mitsubishi and BMW.

The need

The expertise of the team at Elektromotive lies in the intellectual property, design, sale, installation and operation of their range of charging stations. When it comes to the manufacture and servicing of the units, the senior management team recognised very early on that it did not make commercial sense to set up a manufacturing plant of its own. Not only would this have been a long and expensive process, but it would lack the flexibility to rapidly scale with the growth of the business.

Tenkay was therefore approached to provide a fully outsourced manufacturing and servicing solution.

The solution

Our first step was to look at the product design and it's components so that we could design the manufacturing process.



The manufacturing process was planned by our product engineers combining their expertise with our bespoke planning software. This allowed every step of the process to be mapped out and detailed costs and production schedules provided.

One of our immediate priorities was to remove any vulnerability to obsolescence in the parts. We analysed all of the components in the printed circuit assembly, made recommendations for change and now continue to manage and forward plan this essential part of the procurement process.

Our procurement support now extends to liaising with all of the suppliers in the supply chain and acting as one point of contact for our customer. For example, we source the metalwork, where we specify the grade and tolerances. We also liaise with the manufacturers of the paint to make sure it is the best available for the environment that the charging posts are going into.

Once manufactured, we act as the distribution hub and send the charging posts directly to their appointed destinations for installation. This means that Elektromotive doesn't have to concern itself with stock handling or delivery logistics.

Finally, we provide an after-sales repairs and maintenance service to ensure that Elektromotive's customers receive the very best in after-sales support.

Detailed management information on all aspects of the manufacturing process, distribution and stock levels is available to the management team directly through our client portal.

“ Tenkay continually support and work with our business to identify best practices, and progress builds to meet very tight timescales. We couldn't have asked for a better knowledgeable partner in this engagement.

The bottom line is that they make new and legacy manufacturing easier and provide the complete "quality one stop shop" for all of our manufacturing needs. ”

Ian Holmes
Chief Technology Officer - CTO

Looking forward

We have been working with Elektromotive for 10 years and have manufactured more than 4,000 charging posts in that time. We are currently producing units at a rate of more than 200 a year.

There seems little doubt that the future is in electric vehicles. Political and social resolve are pulling in the same direction and the car companies and utilities are ploughing huge amounts of money into research and development.

We look forward to continuing to help Elektromotive succeed in the development and delivery of their products and being an integral part of this transport revolution.

