

PPO-Elektroniikka Oy at a vantage point for 40 years: Security technology and professional electronics since 1981

PPO-Elektroniikka has been providing security for 40 years. In addition to hospital monitoring systems, we have built diverse customized solutions.

HELSINKI, UUSIMAA, FINLAND,
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-- [PPO-Elektroniikka Oy](#) is a Finnish SME focused on security technology. Our primary solution is the [MEV insulation level monitoring system](#) that improves the electrical safety of operating rooms. I started the company with two friends in 1981. At the time, I was still working as a purchasing manager for SLO, and in the evenings I was building electronics. The money initially came from the electronics assembly. My vision was to bring to market equipment that monitors the electrical safety of operating rooms.



CEO, owner and founder Timo Ohtonen

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We have been providing security and minimising damage for 40 years. I am glad that our team shows enthusiasm and joy to work, develops our activities and continues to innovate after all these years.”

*Timo Ohtonen CEO, owner
and founder*

That is how our operations started, and my vision was realised □ we have delivered more than 30,000 insulation level systems to Finnish operating rooms. With the fifth generation, we have also begun our export □ we currently have skilled representatives in 17 countries.

While our primary focus has always been on electrical safety in hospital operating rooms, we do much more. The company needs to have many ‘support legs’, products at different stages of its life cycle so that operations are not disrupted, and we secure jobs for our staff. Our staff have always had substantial expertise in professional electronics

and electrical engineering. In addition to hospital monitoring systems, we have built diverse

solutions for both the public and private sectors. Over the years, we have designed, for example, fire detection systems, burglar alarms, lighting and camera surveillance solutions individually for different locations.

We have also listened to the wishes of consumers and developed sustainable solutions that suit their needs. We have constantly tested the equipment we import – if the quality does not meet our expectations, we will not sell the product.

The motivation and competence of the staff is a great resource

Staff are a company's most important resource. I am happy and proud of my team, which is committed to and motivated in their work. Everyone's skills have grown over the years. We have carried out a wide variety of construction projects and electrical installations in good spirit. Our team has always been ready for new and more challenging projects. In addition to our team, we have ten Finnish subcontractors in the production chain.

Our vision takes us forward

We developed the first analogue MEV-2 in the year of establishment. The digital version MEV-3 was born a couple of years later, in 1983. The insulation monitoring system became mandatory in Finland in 1983, and in Europe in 2015. Demand for this kind of system has also begun to grow globally as countries have started to emphasise the importance of electrical safety and the level of security of electrical standards.

With our fifth-generation MEV-8 equipment, we have started exporting, and the prospects are excellent. Finland has been a pioneer in electrical safety in operating rooms - our expertise is great, with only a handful of significant competitors globally.



PPO hospital team at work



MEV insulation monitoring system - five generations

Before MEV-8, our most significant export product was fire-extinguishing systems to CIS countries. In 2020, we combined our expertise with Kiilto Oy and developed an environmentally friendly fire-extinguishing chemical [PPO® ForExt](#) for extinguishing forest- and wildfires.

Kiilto's 100 years of expertise in the chemical industry and PPO-Elektroniikka's more than 30 years of experience in fire-extinguishing technology enabled the development of this unique solution. Kiilto Oy is responsible for manufacturing the product and PPO-Elektroniikka Oy for its marketing and the development of the spreading technique.

Over 40 years of sustainable development

We have been cooperating with our regular customers and partners for decades. We make sure everything works and are responsible for all after-sales work. We manufacture our equipment in Finland and use high-quality components. We built our equipment to last; some of our customers are still using our 1980s equipment. It is about life cycle thinking and sustainable development. Our price might not be the cheapest, but we can avoid unnecessary repair and adjustment. We do not compromise on quality.

From now on, we are placing even more emphasis on sustainable development and environmental friendliness.

We have been providing security and minimising damage for 40 years. I am glad that our team shows enthusiasm and joy to work, develops our activities and continues to innovate after all these years. In addition, new team members of different ages and with different educational bases, cooperation with educational institutes and networking always bring new impetus.

Timo Ohtonen
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