

THINKING BIG IN PLASTICS



EXPERTISE
IN PLASTICS
FOR OVER
35
YEARS

muovityö
HILTUNEN OY

VALKEAKOSKI FINLAND

Expertise of Muovityö Hiltunen Inc is based on decades of experience

The industrial production of Muovityö Hiltunen Inc. goes back to the 1950's when the father of the company founder, Gunnar Hiltunen, received training in plastics in Germany, the leading country in the plastics industry at that time.

Matti Hiltunen started the production of plastic products for the industry in Valkeakoski in 1969. The company has remained true to its origin as an industrial supplier of individually designed plastic products.

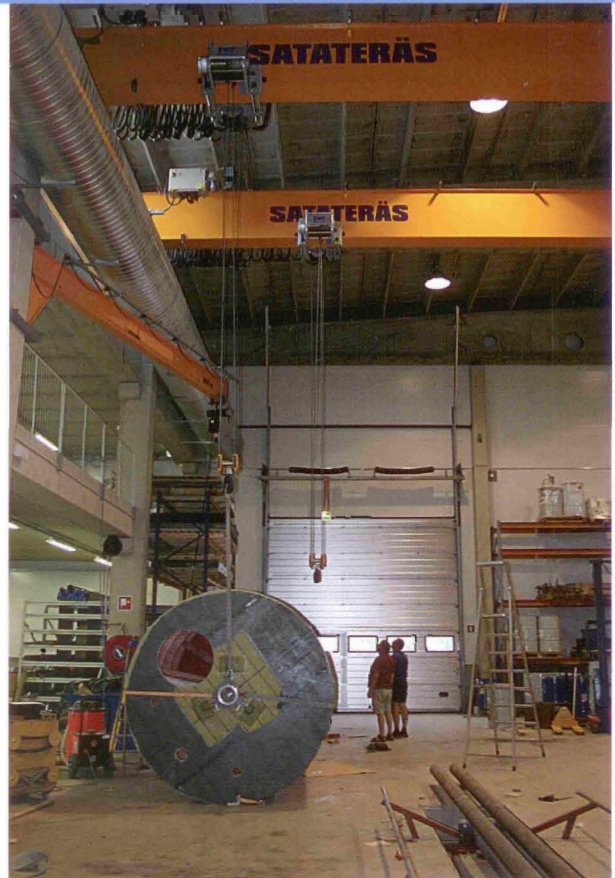
Now with the new millennium the third generation of the Hiltunen family, Esa Hiltunen, is now in charge to run the company.

Durable production

Our main products are tanks and basins for demanding industrial processes.

Our goal is to stay on top in the development of production equipment and methods, in applying innovative product development and in minimizing the environmental impact of our activities.

Our experience and expertise in plastics production, knowledge of process industry's needs and contemporary production methods offer a solid basis for the high quality and durability of our products.



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A plastic product tailored to your demands will ensure functionality and satisfaction for decades

Thermoplastic and reinforced plastic products tailored for industrial use to resist high chemical impact

Individual products and short series

Innovative structural design

Everything from minor parts to major structures

Products

tanks
stacks
scrubbers
vats
coatings
pipings
special structures

Product life cycle services

design
manufacturing
installation
transport
maintenance
inspection and documentation
dismantling

Facilities and equipment

production hall 2 600m³
clearance 9.3 m

bridge cranes 6.3 t
working point cranes 1 000 kg

filament winders Ø 500 – 6 000 mm
resin dispensers
butt-welding machine for sheets 40/4 000 mm
butt-welding machines Ø 15 - 400 mm
collar-welding machines Ø 15 - 110 mm
rod welding machines
thermoforming equipment Ø 6 000 mm
welding extruders

Minimizing environmental impact

Natural gas heating system
Air conditioning system automatically controls the purity of the air
90 per cent of the production waste is recycled



Benefits for You

Sound Investment

The chemical durability of plastic products and our contemporary manufacturing methods will ensure a long product life cycle.

Long-term Customer Relationship

During the entire product life cycle services can be provided by one single manufacturer including everything from planning to commissioning, to maintenance and even dismantling.

Reliability

We have over 35 years of experience in industrial plastic production. We know the needs of the process industry.

Operational Dependability

We offer you one-off production and short series - with the controlled manufacturing methods this ensures functionality and operational dependability.

Individual Customer Service

We start from the needs of the customer and functional requirements for the product - combining these with our ability to design new solutions - this will contribute to the cost-effectiveness in your process.

Delivery Reliability

Contemporary production facilities and methods, experienced personnel combined with production management and control signify efficiency in production and ensures on-time deliveries.

Our Customers Include

Chemical Industry
Forest Industry
Pulp and Paper Industry
Metal Industry
Electronics Industry
Food Industry
Pharmaceutical Industry
Energy Production
Waterworks
Surface Treatment Plants
Transport Companies
Engineering and Contracting Companies





Ekokem Ltd, Riihimäki

Reprocessing, recycling and disposing of hazardous and industrial waste

2 tanks for acid neutralization 30m³ ea. (2002) PVC/GRP
 1 storage tank for chromic solution 30m³ (2001) PVC/GRP
 1 makedown tank for milk of lime 9.9m³ (1999) PEH/GRP
 1 feeding tank for milk of lime 9.1m³ (1999) PEH/GRP
 2 reinforced plastic coating for gas scrubbers (2002) 100m³
 piping, process components, maintenance of GRP equipment and structures

'Cooperation with Muovityö Hiltunen has been fruitful. We could depend on the know-how of Muovityö Hiltunen when selecting the construction materials for the products to be ordered. We have been happy with the quality of the products as well as the functionality of the structures. Whenever there has been a maintenance need Muovityö Hiltunen has sent us a specialist upon contacting them.

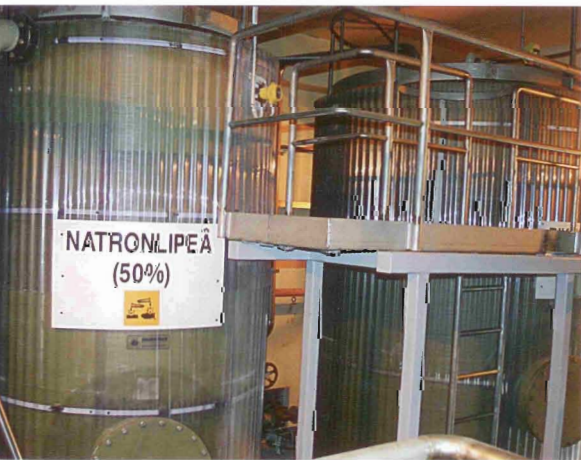
The price-quality ratio has been good and we have received services smoothly. We have been happy with the single source supply concept and the cooperation has been quite straight forward from the beginning. We would also like to mention that at Muovityö Hiltunen they are also actively trying out new, advanced structures and production methods.'

Borregaard Group

The world's leading producer of lignin-based chemicals
Ligno Tech Finland, Tampere

First plastic tank delivered appr. 30 years ago
 Neutralising tank for chromic acid 40m³ (2002) PVDF/GRP
 Neutralising tank for sulphuric acid 20m³ (2002) PVDF/GRP

'Muovityö Hiltunen engineered according to our requirements two tanks for storing sulphuric and chromium acid. We have a lot of metal structures at our plant, but the processes with these two corrosive chemicals put higher requirements on material - that is why we ordered composite tanks for this purpose. We found that the price-quality ratio of the services provided by Muovityö Hiltunen was good.'



UPM-Kymmene PLC

One of the leading forest products companies in the world
Water treatment plant, Tervasaari mill

Tank for sulphuric acid 22.5m³ (2000) PVDF/GRP
 Tank for caustic soda 10m³ (2000) PP/GRP
 Process structures

'These tanks are used for neutralizing of waste water. The products have been working without any problems.'



Outokumpu Stainless Ltd, Tornio

Global producer of ferrochrome and stainless steel

2 storage tanks for mixed acids 30m³ ea. (2002) PP/GRP
 2 storage tanks for mixed acids 37m³ ea. (2004) PP/GRP
 3 storage tanks for mixed acids 50m³ ea. (2005) PP/GRP
 2 gas scrubbers of HF (2004) PP/GRP
 1 absorption tower and 1 condensing tower (2002) PVDF/GRP
 1 acid filtrate tank 8m³ (2004) PP/GRP

'Cooperation with Muovityö Hiltunen has been smooth and we have been satisfied with the fact that they have been able to keep to the schedule. What was promised was also kept. We have been happy with the quality of the products and their prices have been competitive.'

Quality warranty

The quality of our products and services is based on

- Over 35 years of experience in production of industrial composite structures
- Recognizing the needs of process industry clients
- State-of-the-art machinery
- Continuous development of production methods
- Careful and individual selection of construction materials
- Controlled manufacturing methods
- Engineering and production according to international standards e.g.

AD-Merkblatt N1
BS 4994
EN 12573
PLN-83

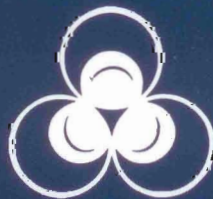
- FEM calculation
- Technical expertise of well trained production personnel
- Close cooperation with inspection authorities



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