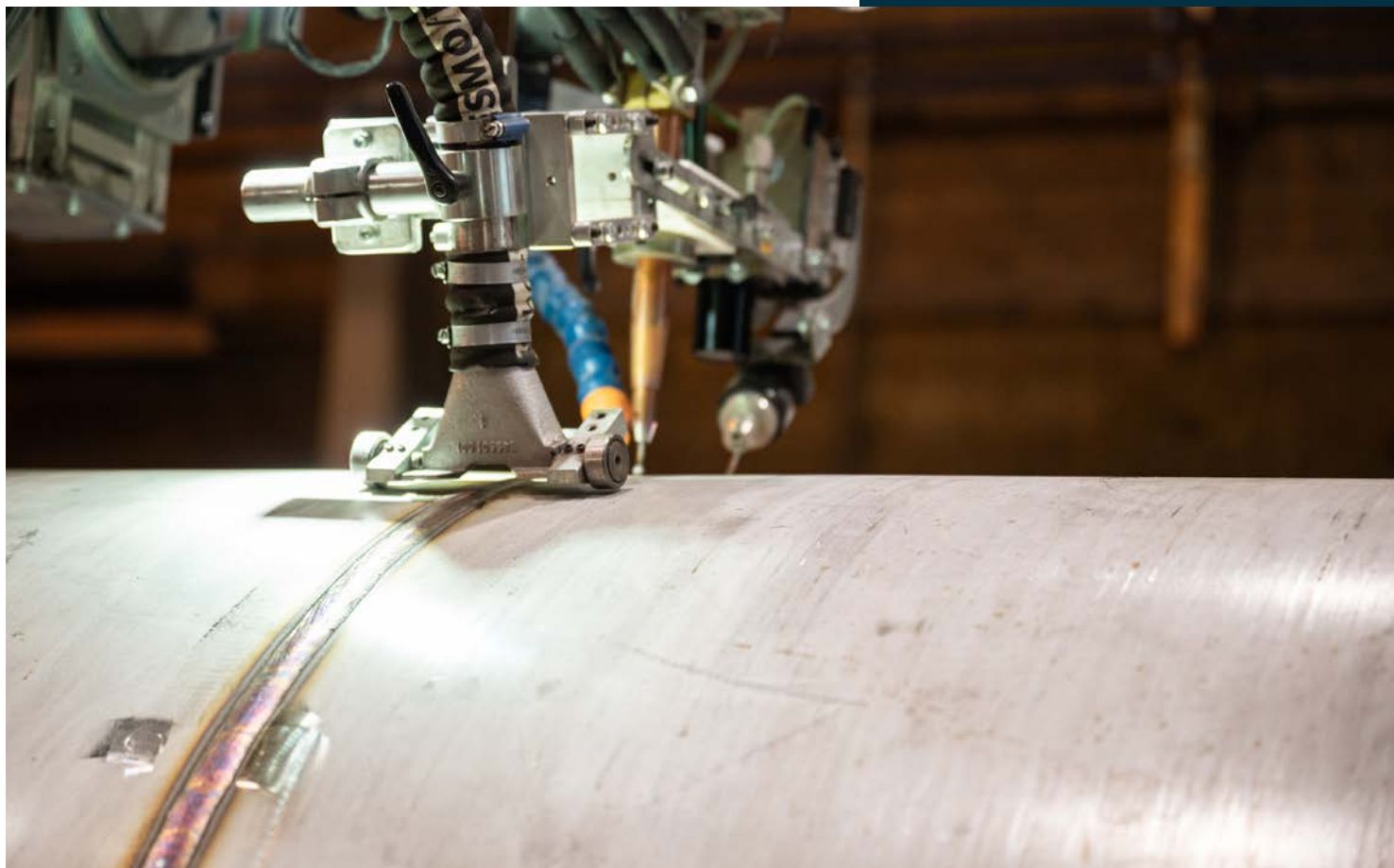




**Innovative  
solutions for  
demanding  
conditions**



**Shell-and-tube heat  
exchangers and pressure  
vessels**

# Reliability and quality in challenging conditions

Refinec Oy is a Finnish engineering workshop that was founded in 2014. Its personnel has decades of expertise in making pressure vessels. We design, manufacture and deliver innovative and functional solutions for even the most demanding conditions.

## Our experienced employees guarantee success

We manufacture heat exchangers, pressure vessels, other pressure equipment as well as non-pressurized containers and other welded structures which are related to our equipment for industrial needs. Our core competencies are design, strength calculation, thermodynamics and demanding welding. Our experienced and highly trained personnel ensure that projects are carried out reliably, from design to delivery, with professional skills and on schedule. We deliver the equipment flexibly, even with short delivery times.

## We want to make the future sustainable

We are strongly involved in the green transition and future innovation projects. We cooperate with universities and research institutes and have also participated in development projects for green hydrogen and small modular reactors (SMR).







Expertise from Finland

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Lappeenrannasta  
ja Imatralla.**

 **Laakerikeskus**  
Teknisen kaupan erikoistie  
Lappeenranta • Imatra

 **KEMPPI**



# Project products

We have carried out hundreds of design and manufacturing projects for our customers in various industries. We supply shell-and-tube heat exchangers for gases and liquids in different forms. For example, evaporators, condensers, heaters and coolers.

We supply pressure vessels for many different applications. Pressure vessels are used for applications such as condensate, compressed air, feed water, expansion and storage tanks and accumulators.

## Standard products

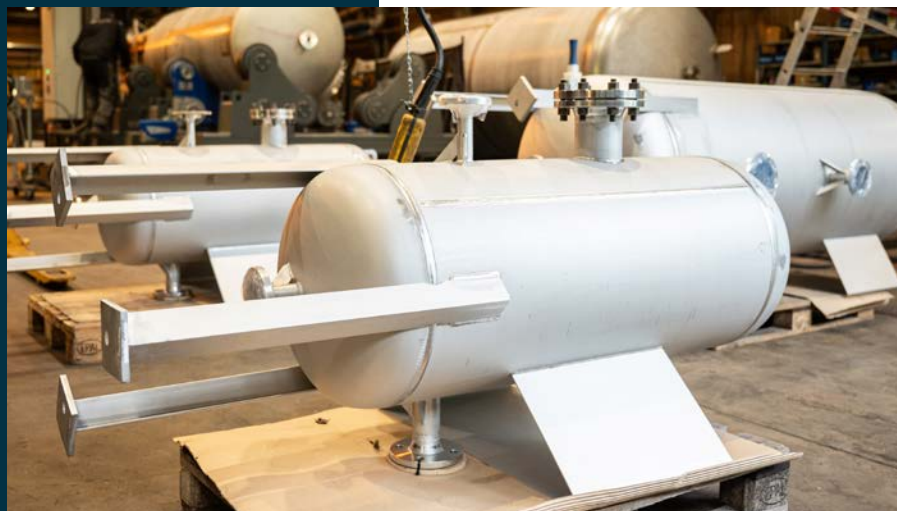
We manufacture standard oil coolers, steam heaters, heavy fuel oil preheaters and compressed air tanks. Reliable and easy-to-maintain, the oil coolers in the OCL series are suitable for a wide range of industrial needs. Our innovative heat exchanger condition monitoring modules independently monitor the condition of the unit and wirelessly report any maintenance needs. Standard products are available quickly in a variety of sizes and materials. All of our standard products are made in Finland.

## We ensure quality

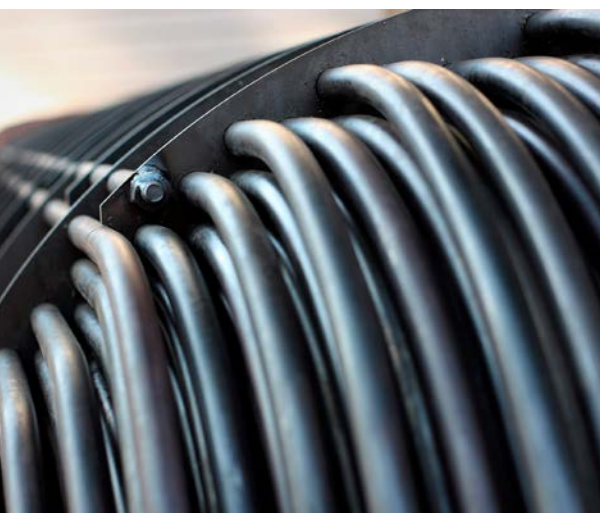
We follow strict quality standards to ensure the high quality and safety of our products. We have several internationally recognised certifications, including ISO 9001, ISO 3834-2, ISO 14001 and PED A2.

We use a wide range of different structural materials, including:

- Austenitic stainless steels
- Super austenitic steels
- Duplex and super duplex steels
- Nickel alloys
- Carbon steels
- Creep resistant steels
- Titanium







### **Our fields of operation:**

- Pulp and paper industry
- Petrochemical and chemical industry
- Energy industry
- Research institutes
- Other production plants
- Mining industry



# We take care of your project from start to finish

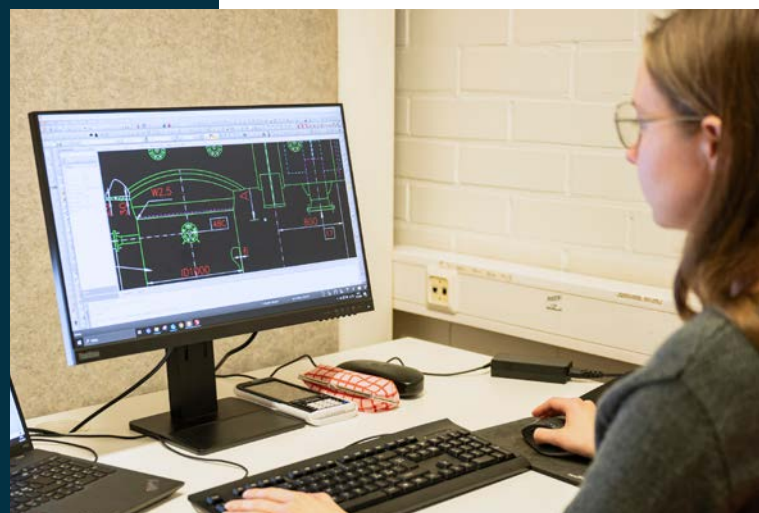
We are responsible for the implementation of projects from start to finish. This includes thermodynamic dimensioning, structural design, material procurement, production and inspection of products and, if necessary, installation. In addition, we ensure the conformity assessment, which is carried out by a third party

## Expert design is the starting point

Our experts are familiar with the Pressure Equipment Law, the Pressure Equipment Directive and the various regulations and their requirements. We design, manufacture and supply all our pressure equipment in accordance with the PED 2014/68/EU and EN standards. Refinec's carefully designed and high-quality equipment are safe, durable and reliable. If required, we can also design the equipment according to ASME VIII or AD 2000 standards.

## Reliable installation for each equipment

It is also possible to order all the equipment we manufacture installed. Prior to installation, our experts arrive to assess and measure the site to ensure the equipment fits into its environment.











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