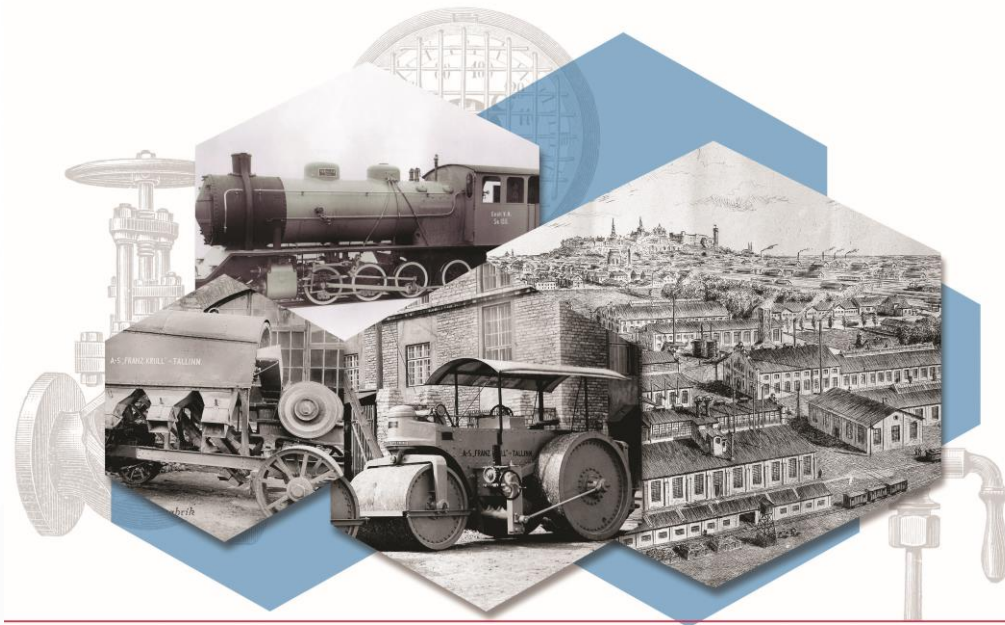


**TALLINN MACHINEBUILDING FACTORY  
PRESENTATION**

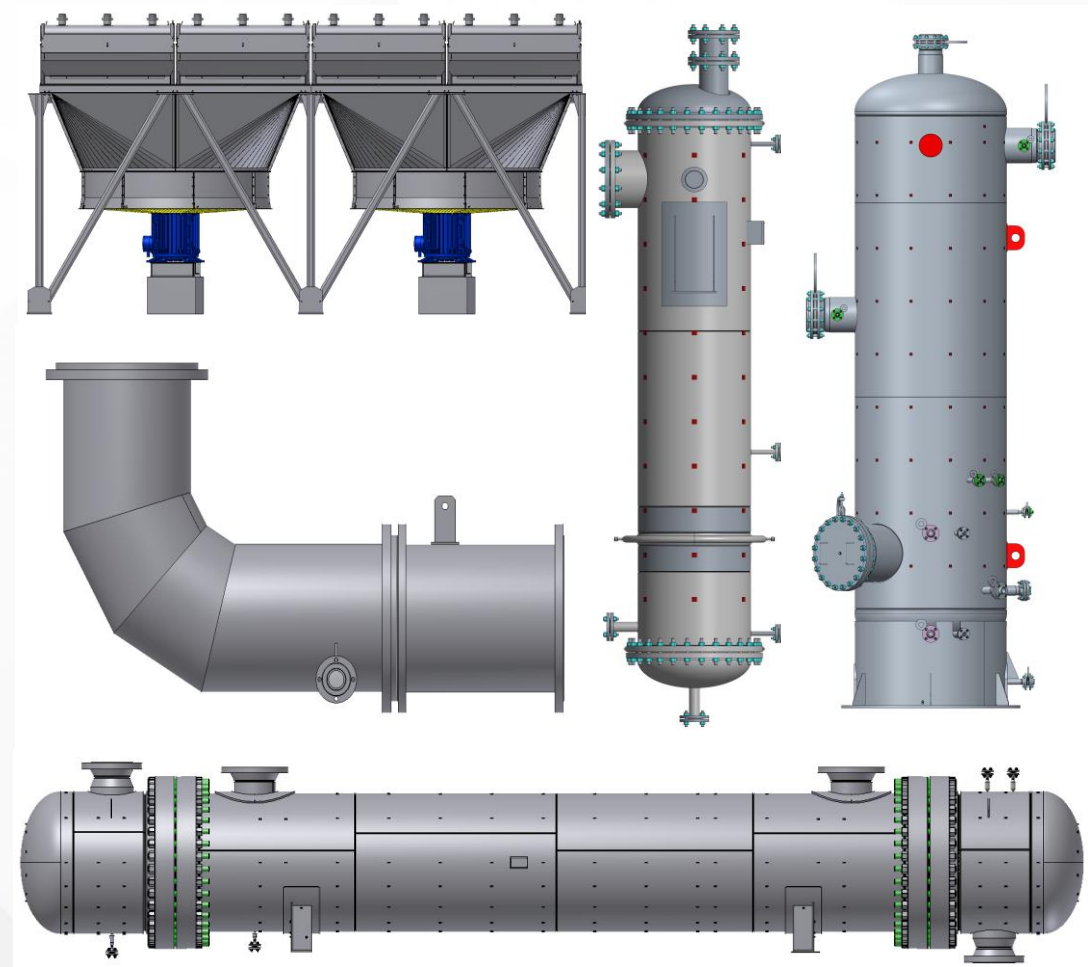


**SINCE 1865**



**Tallinn Machinebuilding Factory (hereinafter TMT)** is a company with a rich history founded in 1865. Throughout its history, the factory had many names and produced various equipment, including equipment for the oil and gas industry. Since 1963, the factory has become the head company for the pilot projects and subsequent serial production of air-cooled heat exchangers (ACHE).

Today, TMT holds the position of one of the largest manufacturers of air cooler units in the Baltic and Northern regions. Our company has obtained the strongest competencies in the development and production of various heat exchange and other equipment operating under excessive pressure, consisting of both conventional and specialized steel grades. High quality and attentive attitude towards partners allow us to work successfully and accommodate the most complicated needs of our customers.



## Our Products:

- Air-Cooled Heat Exchangers;
- Shell and Tube Heat Exchangers (water medium);
- Air-Cooled Heat Exchangers working under high pressure up to 320 Bar;
- Parts of Air-cooled Heat Exchangers;
- Parts of Shell and Tube Heat Exchangers;
- Vessel equipment (separators).

## Base materials:

- Structural steel in accordance with EN10025;
- High temperature steels in accordance with EN 10028-2 (P265GH, 16MO3 etc.);
- Stainless steels;
- Fine-grained structural steel accordance with EN 10028-3 (P355NL etc.);
- Nickel based alloys and pure nickel (Alloys 28, Alloys 825, Hastelloy C-276);
- Titanium.





## Shell and tube heat exchangers (water medium):

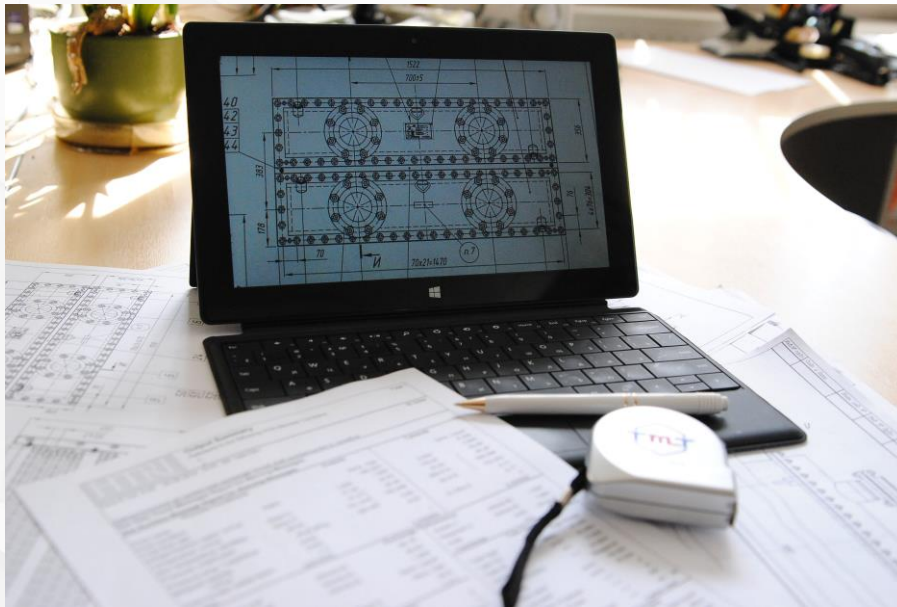
- Heat exchangers;
  - Refrigerators;
  - Condensers;
  - Evaporators;
  - Parts of Shell and Tube Heat Exchangers.
- Operating pressure range is from 0.6 to 16.0 MPa, operating temperatures up to 350 °C.



## Our Advantages:

- Location **near** the largest metal service centre in the Baltic States and Scandinavian and the biggest cargo harbour in Estonia;
- Efficient **logistics** solutions;
- **DAP** delivery (Incoterms 2020);
- Constant **optimization** of manufacturing process;
- **Individual** customer approach;
- Competitive **prices**.





## Our Services:

- Engineering services;
- Technical audit;
- Commissioning and installation supervision;
- Warranty and after-sales service.



## Engineering

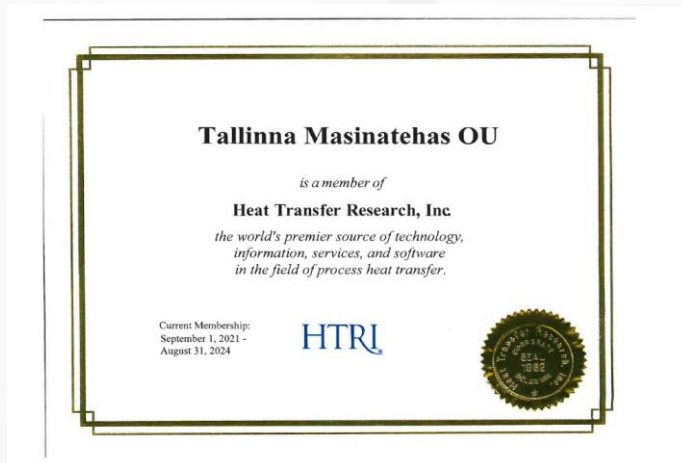
The Design Department of the TMT factory is the team of highly qualified designers and constructors with many years of experience in project design.

### Our capabilities:

1. Development of specifications
2. Engineering / design
3. Strength calculations
4. HTRI thermohydraulic calculation
5. 3D modeling
6. Preparation of design documents
7. Development of operational documents (descriptions, manuals, instructions, etc.).

### Design Standarts:

- GOST R;
- ASME Boiler and Pressure Vessel Code;
- PD 5500 Specification for Unfired, Fusion Welded Pressure Vessels;
- EN 13445 European Standard for Unfired Pressure Vessels.
- API 661







## Control methods:

- Ultrasonic testing (UT);
- Radiographic testing (RT);
- Magnetic particle testing (MT);
- Penetrant testing (PT);
- Visual inspection and measurement (VT);
- Mechanical testing;
- Metallographic examination;
- Positive material inspection;
- Intergranular corrosion testing.



## Quality Standarts:

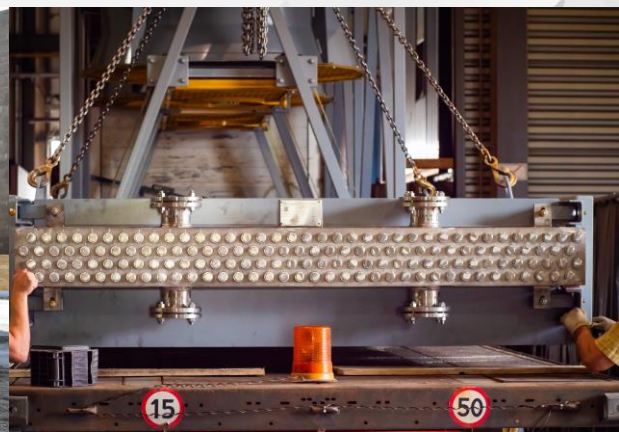
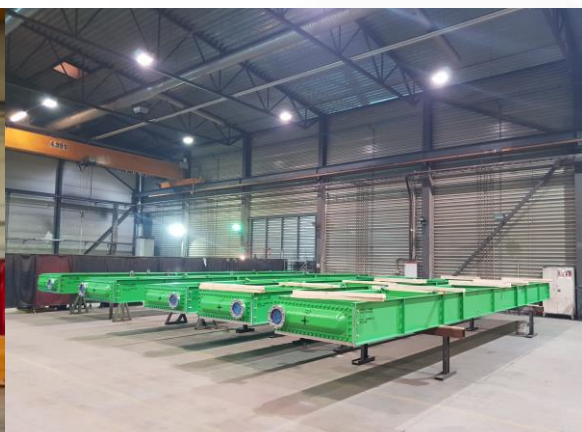
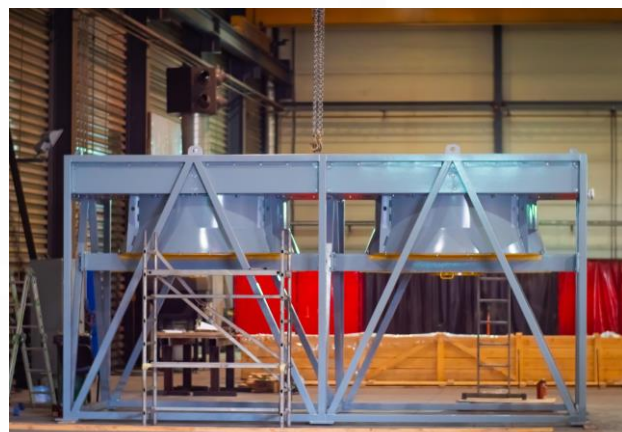
- ISO 9001:2015 – Quality Management System;
- ISO 14001:2015 – Environmental management systems;
- ISO 45001:2018 – Occupational health and safety management system;
- EVS-EN ISO 3834-2 – Manufacturing of steel constructions;

## Design Standards:

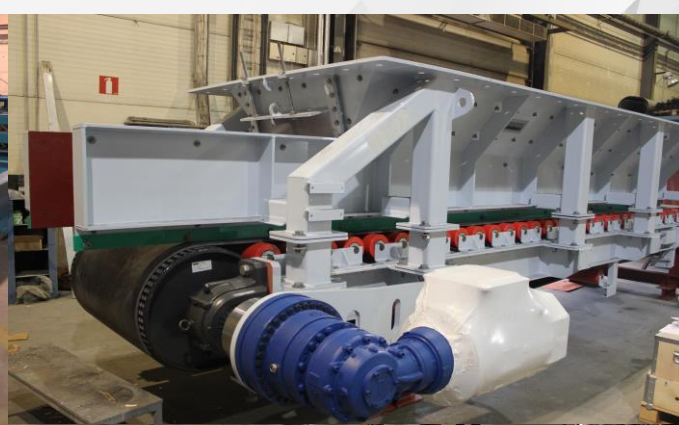
- GOST R;
- ASME Boiler and Pressure Vessel Code;
- PD 5500 Specification for Unfired, Fusion Welded Pressure Vessels;
- EN 13445 European Standard for Unfired Pressure Vessels.













**THANK YOU FOR YOUR ATTENTION!**

**[WWW.TMT.EE](http://WWW.TMT.EE)**