

# Tallinn Machinebuilding Factory

Best reference from Baltics



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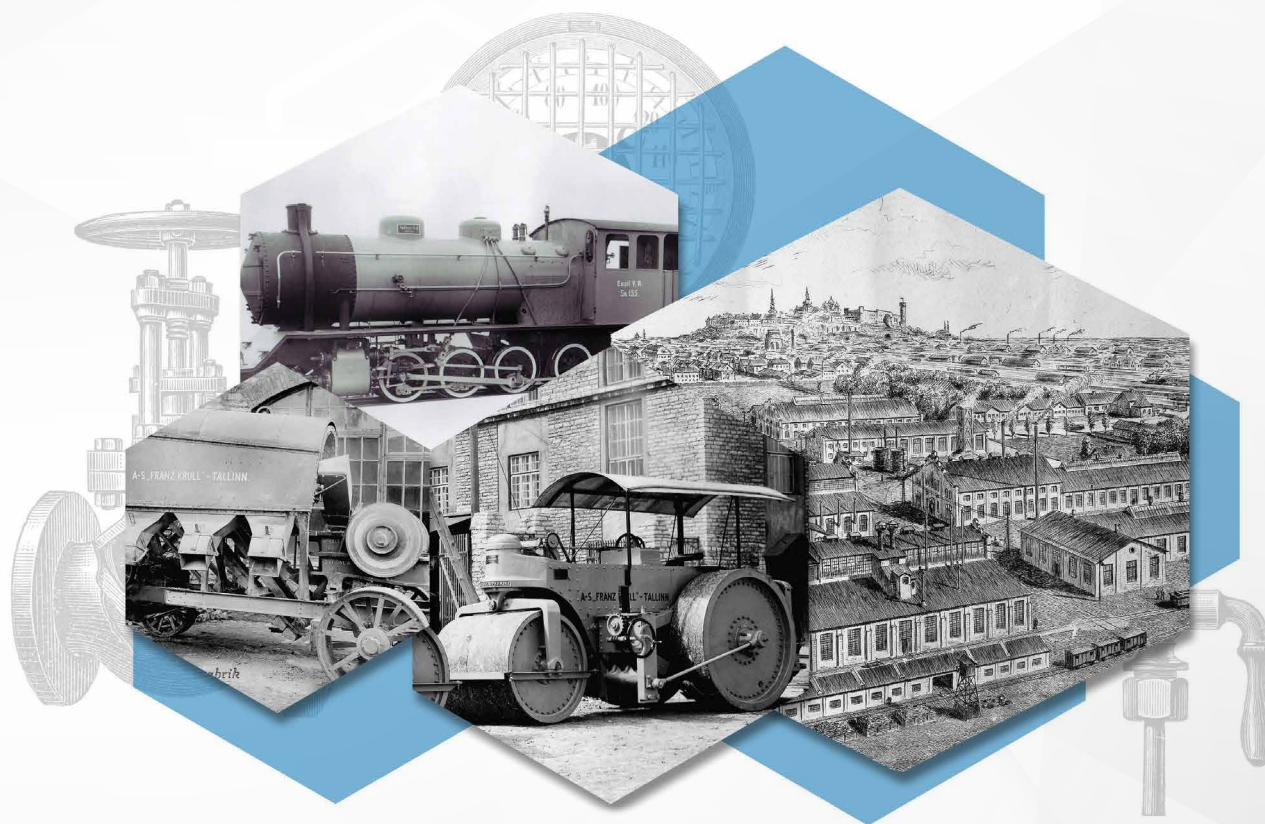
# Introduction

**Tallinn Machinebuilding Factory (hereinafter TMT)** is 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.



A Member of  
Estonian Chamber  
of Commerce and Industry

ISO 9001  
BUREAU VERITAS  
Certification



## Our Advantages

- Location **near** the largest metal service centers 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**.



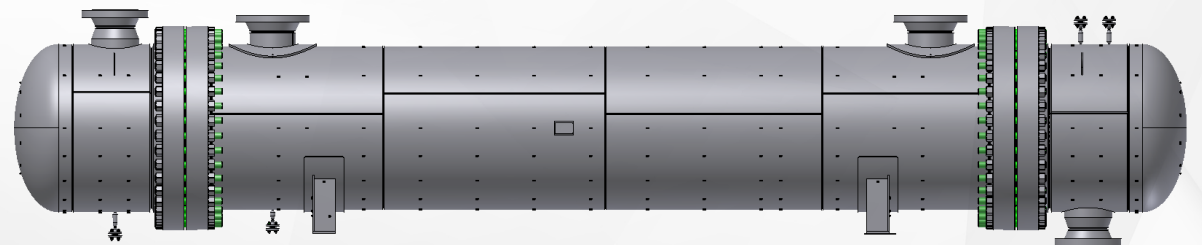
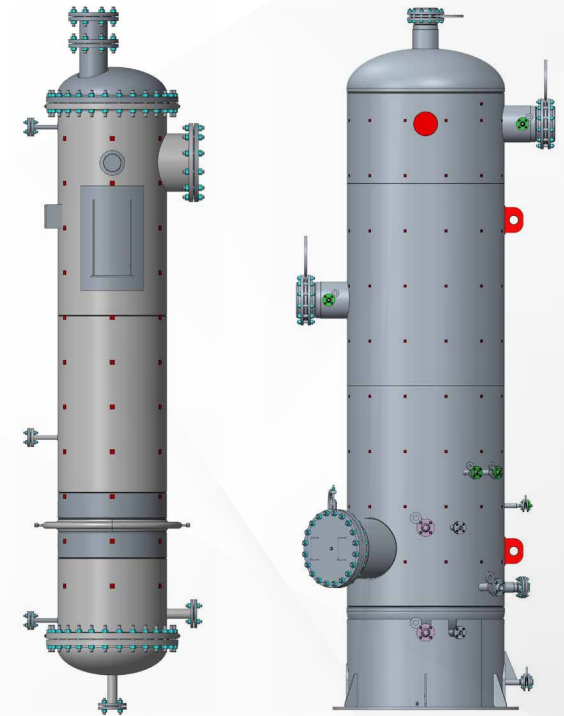
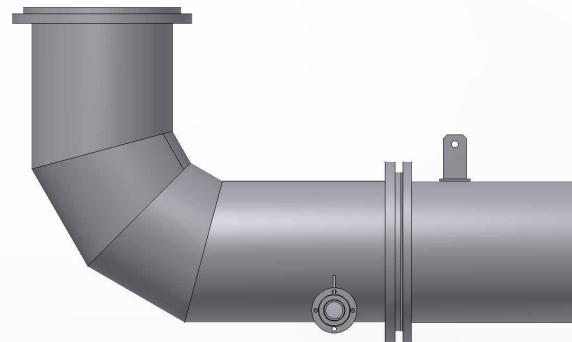
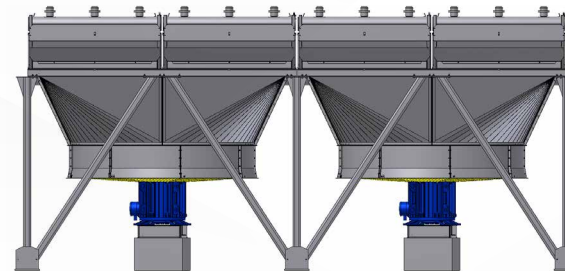






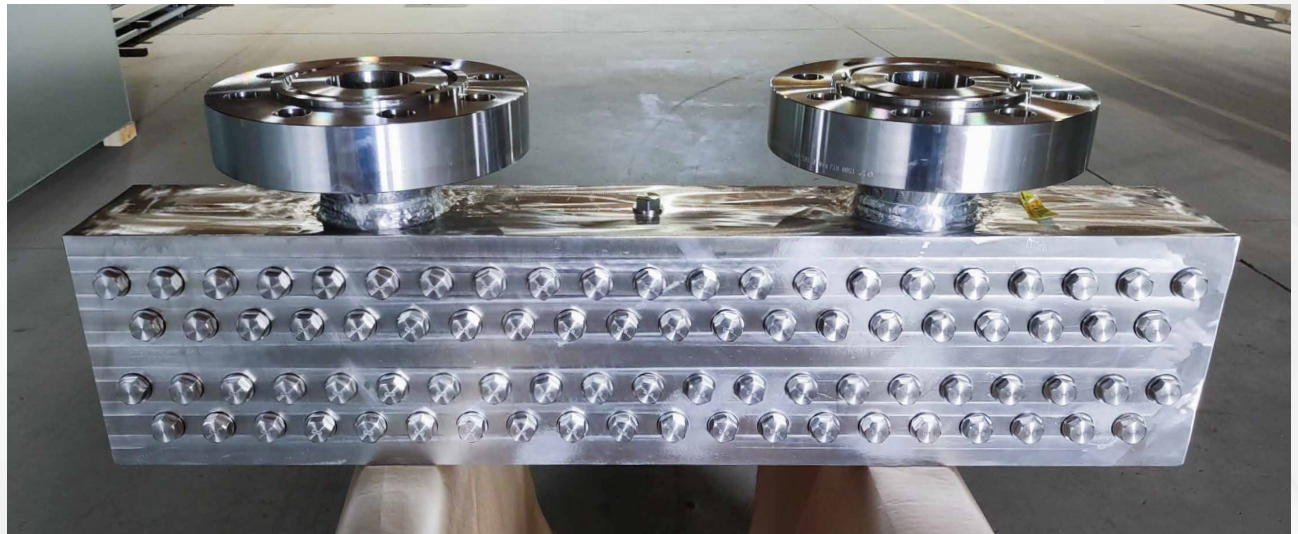
# Our Products

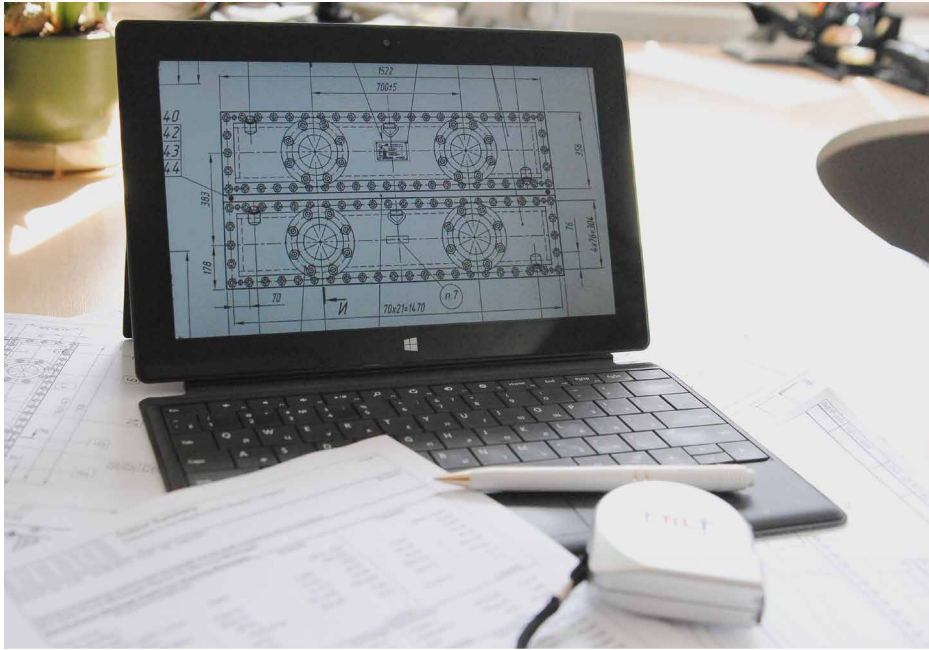
- Air-Cooled Heat Exchangers;
- Air-Cooled Heat Exchangers working under high pressure up to 320 Bar;
- Parts of Air-cooled Heat Exchangers;
- Shell and Tube Heat Exchangers;
- Parts of Shell and Tube Heat Exchangers;
- Refrigerators;
- Condensers;
- Evaporators;
- Pressure and process vessels;
- Piping;
- Offshore construction;
- Castings;
- Retrofit of Heat exchange equipment.



# Base Materials

- Structural steel in accordance with EN10025;
- High temperature steels in accordance with EN 10028-2 (P265GH, 16M03 etc.);
- Stainless steels;
- Fine-grained structural steel accordance with EN 10028-3 (P355NL etc.);
- Nickel based alloys (Alloys 28, Alloys 825, Hastelloy C-276);
- Titanium.





## Our Services

- Engineering services;
- Design and Fabrication;
- Technical audit;
- Installation works and 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 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;
- API 661.

### Tallinna Masinatehas OU

*is a member of*

**Heat Transfer Research, Inc**

*the world's premier source of technology,  
information, services, and software  
in the field of process heat transfer.*

Current Membership:  
September 1, 2021 -  
August 31, 2024

**HTRI**





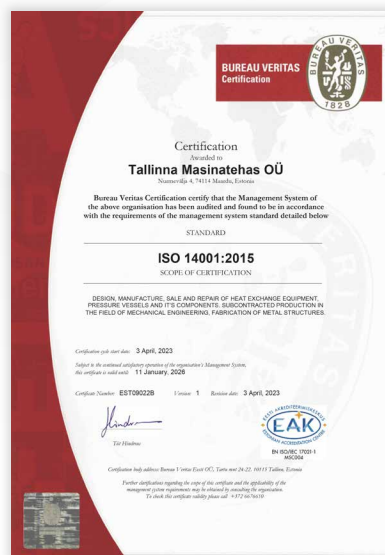
# Control Methods

- 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 Standards

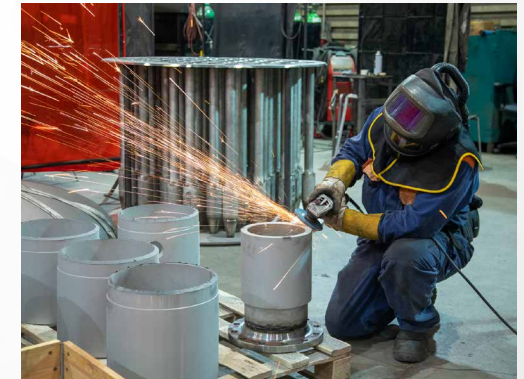
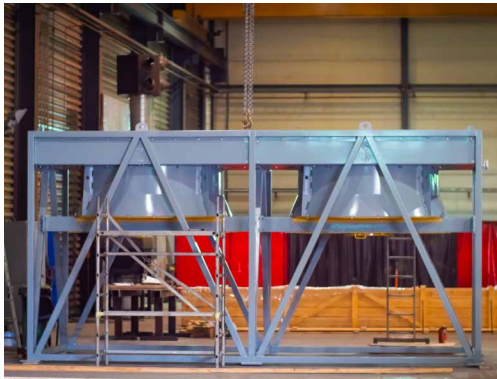
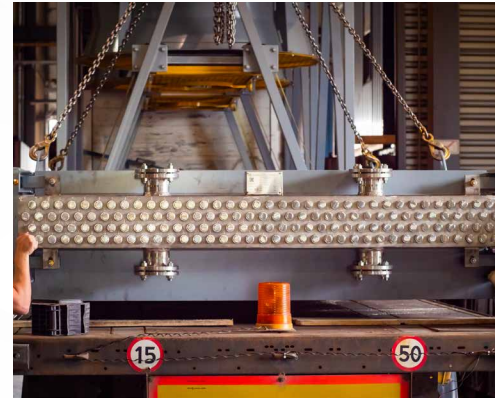
- ISO 9001:2015 – Quality Management System;
- ISO 14001:2015 – Environmental management systems;
- ISO 45001:2018 – Occupational health and safety management system;
- EN 1090-1,2 – Execution of steel structures and aluminium structures;
- EVS-EN ISO 3834-2 – Manufacturing of steel constructions;
- PED.













## TMT in numbers

**58**

**years**

in the market of heat  
exchange equipment

**700+**

**projects**

successfully completed  
in this century

**14**

**sectors**

of application of our products

**25**

**countries**

geography of deliveries

**1650+**

**various types of products**

created and realised

**158**

**years**

of production history

**500+**

**welding procedures**

designed and applied

**6000 m<sup>2</sup>+**

**(4000 m<sup>2</sup> under construction)**

production area



SINCE 1865

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