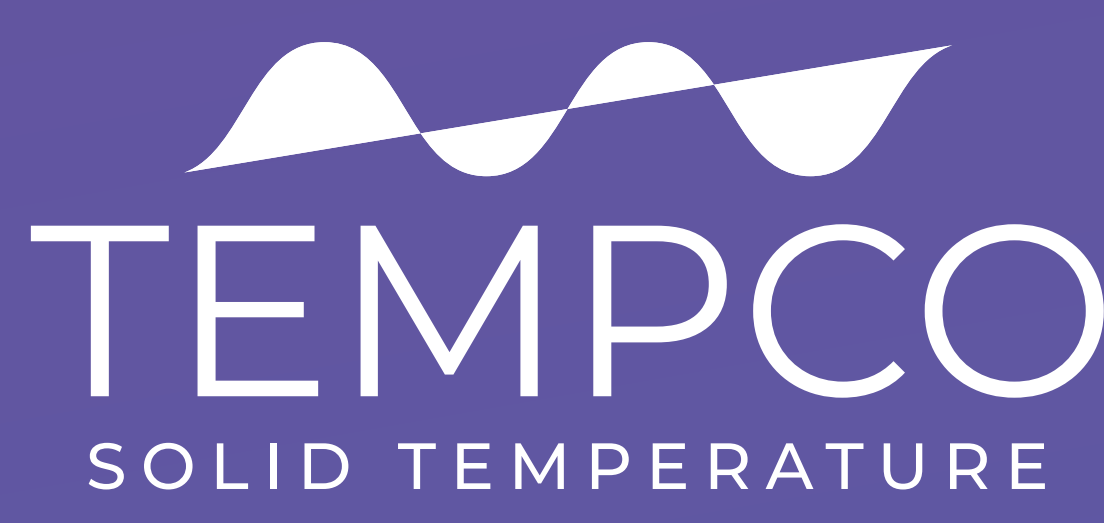


HEAT INTO VALUE



TRANSFORMING HEAT INTO VALUE IS THE MAIN MISSION OF TEMPCO, DEVELOPING CUSTOMIZED THERMAL ENERGY RECOVERY SOLUTIONS SUITED FOR EVERY KIND OF INDUSTRIAL PRODUCTION PROCESS EMPLOYING HEAT EXCHANGERS AND ENERGY EFFICIENCY SOLUTIONS.

\$59,444Bil

Value of

Waste heat recovery Market

in 2020.

SOURCE: Market Research Future, February 2021.
<https://www.marketresearchfuture.com/reports/waste-heat-recovery-market-1355>

+9,21%

CAGR

(Compound Annual Growth Rate)

Projected to reach USD 114,67 billion by 2028.

KEY TECHNOLOGIES EMPLOYED:
regenerators, recuperators, waste heat boilers, plate heat exchangers, heat pumps.

Cogeneration equipment Market

\$21,2Bil

in 2020

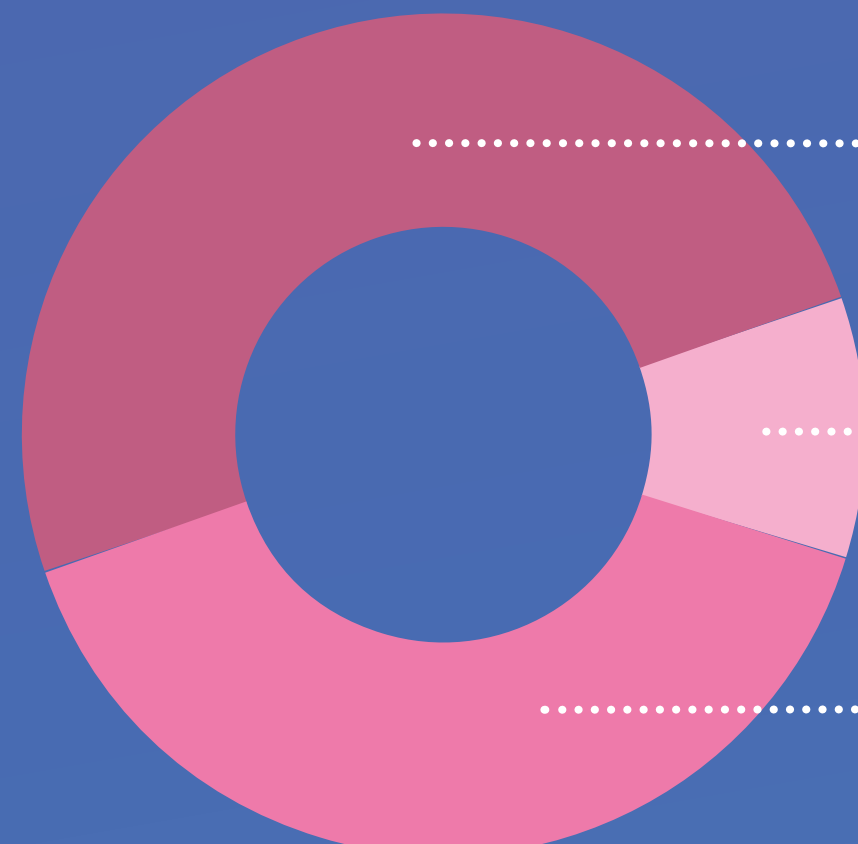
Combined heat and power generation
increase of efficiency in fuel utilization: **90%.**
Divided in:

+9,4%

CAGR

Expected to reach USD 51,9 billion by 2030.

SOURCE: Allied Market Research, August 2021.
<https://www.alliedmarketresearch.com/cogeneration-equipment-market-A08051>



50%

converted in usable heat

10%

energy loss

40%

of energy converted into electrical energy

Heat exchangers Market

\$16,9Bil

in 2020

Main market segment in 2019 revenue: shell and tube exchangers, **35,9%** of total revenue.

SOURCE: Grand View Research, June 2020.
<https://www.grandviewresearch.com/industry-analysis/heat-exchangers-market>

+7,2%

CAGR

Projected growth at USD 29,316 billion by 2026.

SOURCE: Allied Market Research, August 2019.
<https://www.alliedmarketresearch.com/press-release/heat-exchanger-market.html>

Shell and tube exchangers Market

\$5,68Bil

in 2019

+9,4%

CAGR

Expected growth by 2027.

SOURCE: Grand View Research, July 2020.
<https://www.grandviewresearch.com/industry-analysis/shell-tube-heat-exchangers-market>

Advantages driving adoption in sectors such as oil refineries and petrochemical plants: Easy maintenance, robust geometry construction, resilience to high-temperature applications, protection against fouling. Challenges on further penetration in end-use industries: demand for highly-efficient and compact heat exchangers.

Plate and frame exchangers Market

\$3,32Bil

in 2019

Gasketed plate and frame heat exchangers accounted for **56,9%** of total revenue in 2019.

SOURCE: Grand View Research, February 2020.
<https://www.grandviewresearch.com/industry-analysis/plate-and-frame-heat-exchanger-market>

+6,9%

CAGR

Expected growth by 2027.

Dry Cooler Market

\$1,04Bil

in 2019

+6,46%

CAGR

Expected growth at USD 1,72 billion by 2027.

SOURCE: Fior Markets, March 2020.
<https://www.fiormarkets.com/report/dry-cooler-market-by-type-vertical-dry-coolers-417801.html>

Two main drivers of growth: increasing use of dry cooler in data centers and in processing liquids in refrigeration applications. Other industries creating substantial market opportunities: plastic, food & beverage, chemical & pharmaceutical.

ORC Organic Rankine Cycle Global Market

\$211,5Mil

in 2020

Geothermal segment accounted for **40,0%** of applications in 2020, thanks to large-scale MegaWatt capacity of geothermal projects. Followed by applications in biomasses, waste heat recovery and solar thermal.

+20,3%

CAGR

Expected to reach USD 926,3 million by 2028.

SOURCE: Grand View Research, October 2021.
<https://www.grandviewresearch.com/industry-analysis/organic-rankine-cycle-market>

www.tempcopro.it

TEMPCO

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