Optimise heat use in process industry via heat networks in industrial clusters.

Increase energy efficiency by cross-sector collaboration in industrial heat networks.

CASCADING OUR HEAT

KEY INSIGHTS

• reduce energy intensity
• reduce CO₂ emissions
• reduce primary heat sources
• integrate sites & clusters

CROSS-SECTOR COLLABORATION

Energy-intensive industries have a high potential to exchange waste heat in industrial clusters.

Industrial clusters have a growing demand for heat exchange with regional networks.

SUSTAINABILITY IMPACT

Wins for industry

⇒ overall gains: 0-15 €/MWh exchanged (depending on distance)¹

Environmental gains

⇒ primary energy savings:

10-30 MW/typical steel or chemicals plant¹

Wins for society

⇒ public health benefits due to energy reuse
⇒ improved community relations in regional clusters
⇒ job creation and new skills development¹
REFERENCES

   https://www.spire2030.eu/epos