



ENN.CO stands for many things, but mostly

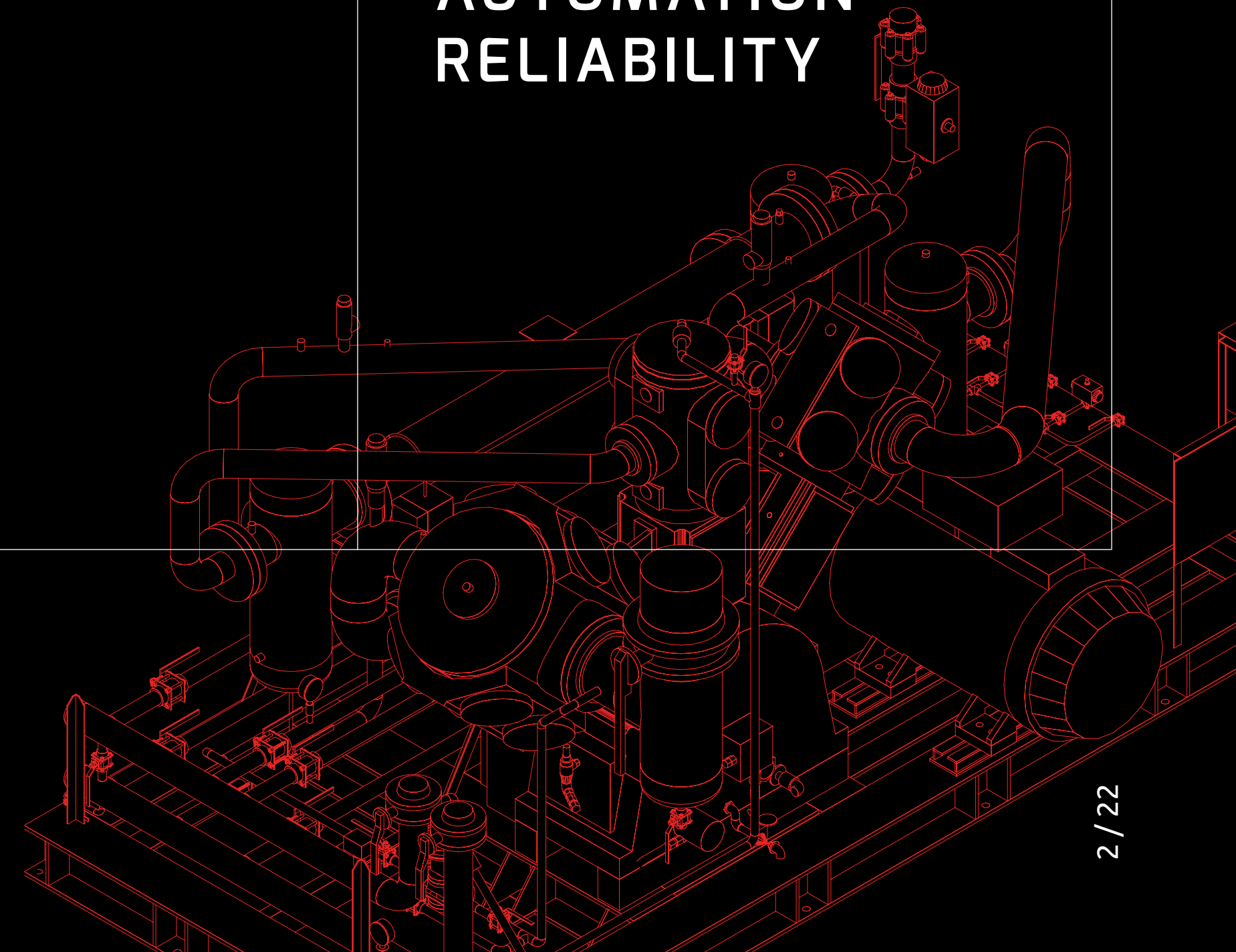
ENGINEERING
CHEMICAL
& INDUSTRIAL
PROCESS

ENVIRONMENTAL
SOLUTIONS

ENERGY
RECOVERY
& ENERGY
SAVING

ENHANCED
AUTOMATION
RELIABILITY

COMPANY



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Activities.

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CHEMICAL PLANTS AND INDUSTRIAL PROCESSES, AUTOMATION



01

CHEMICAL PLANTS AND INDUSTRIAL PROCESSES AUTOMATION

Sizing and design

- Chemical plant on Pilot, Semi-Industrial and Industrial scale, realization of studies, basic and detailed projects based on processed data.
- Basic, advanced, and complex automation systems for industrial process plants, aimed at saving energy efficiently.



Activities.

ENN.CO — Company presentation

01

CHEMICAL PLANTS AND INDUSTRIAL PROCESSES AUTOMATION

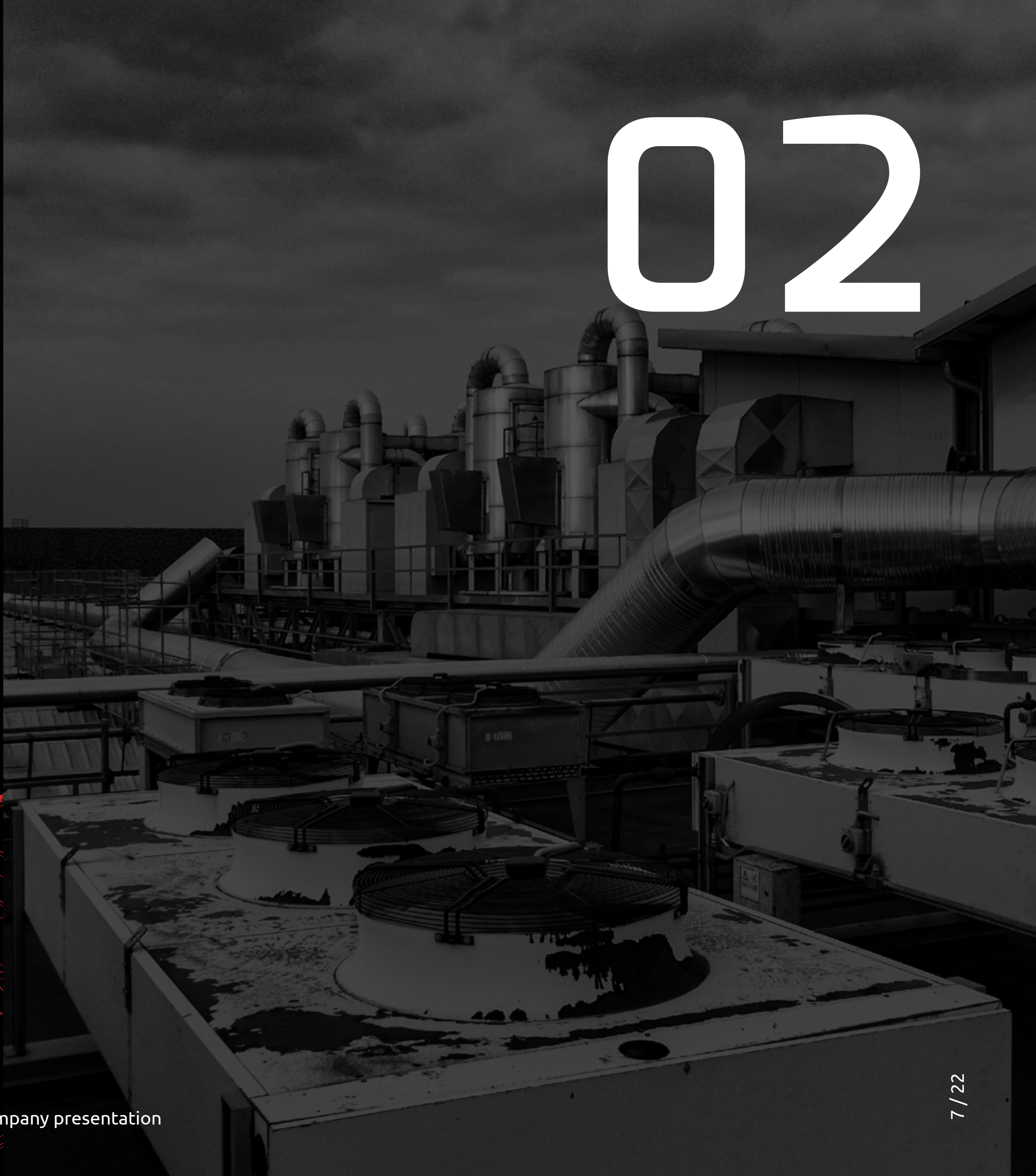
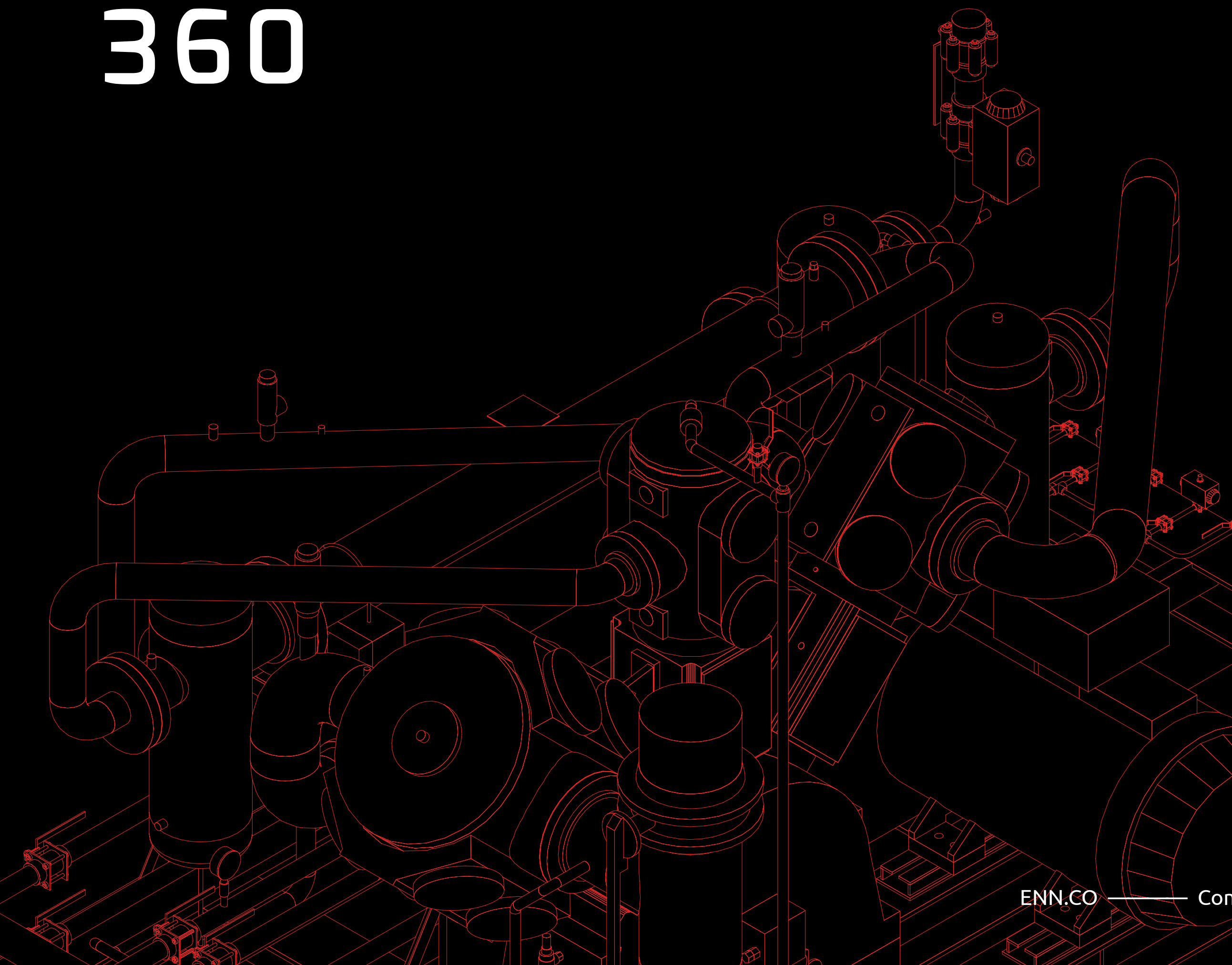
Sizing and design

- Technical/economic feasibility studies of process plants and industrial sites, economic analysis, basic studies, basic and detailed projects.
- HAZOP
HAZard and OPerability analysis.

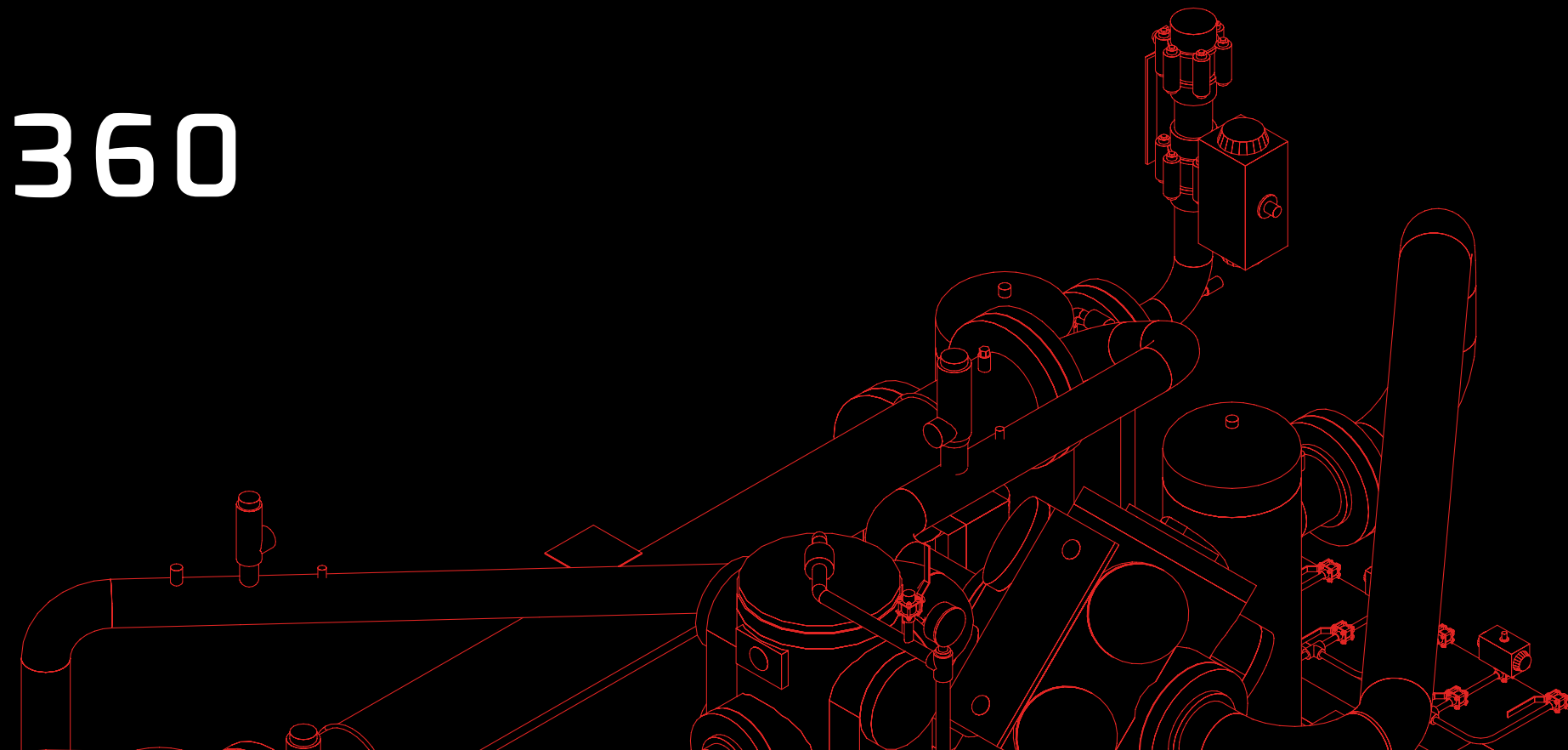


EFFICIENCY 360

02



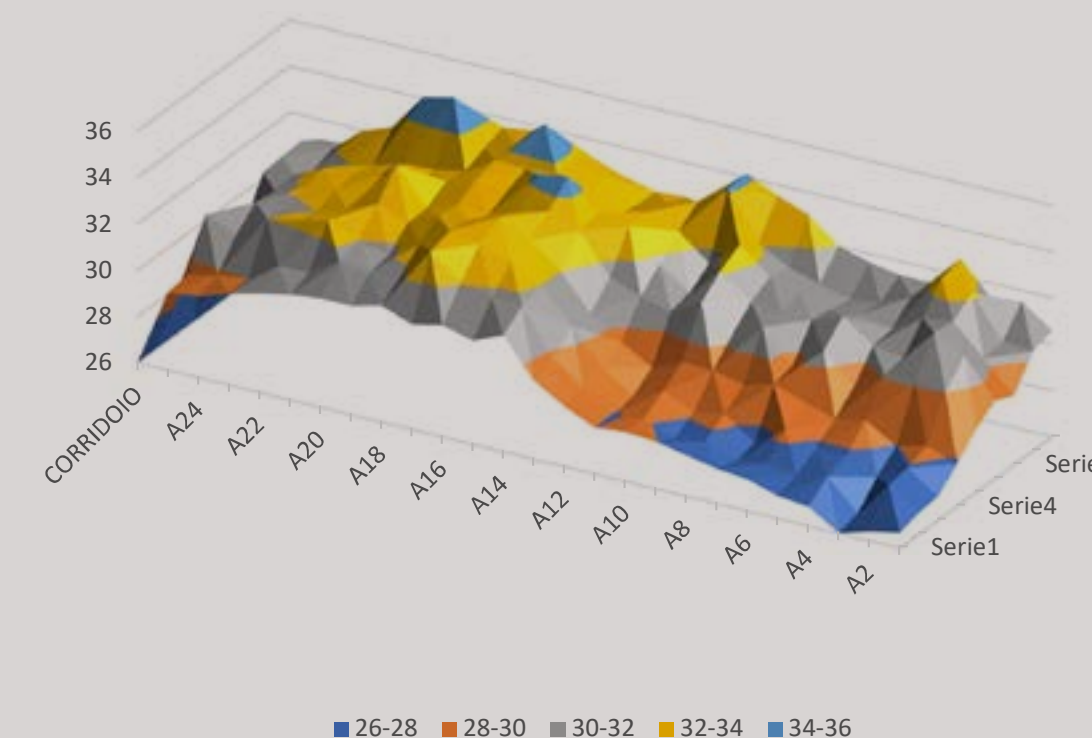
EFFICIENCY 360



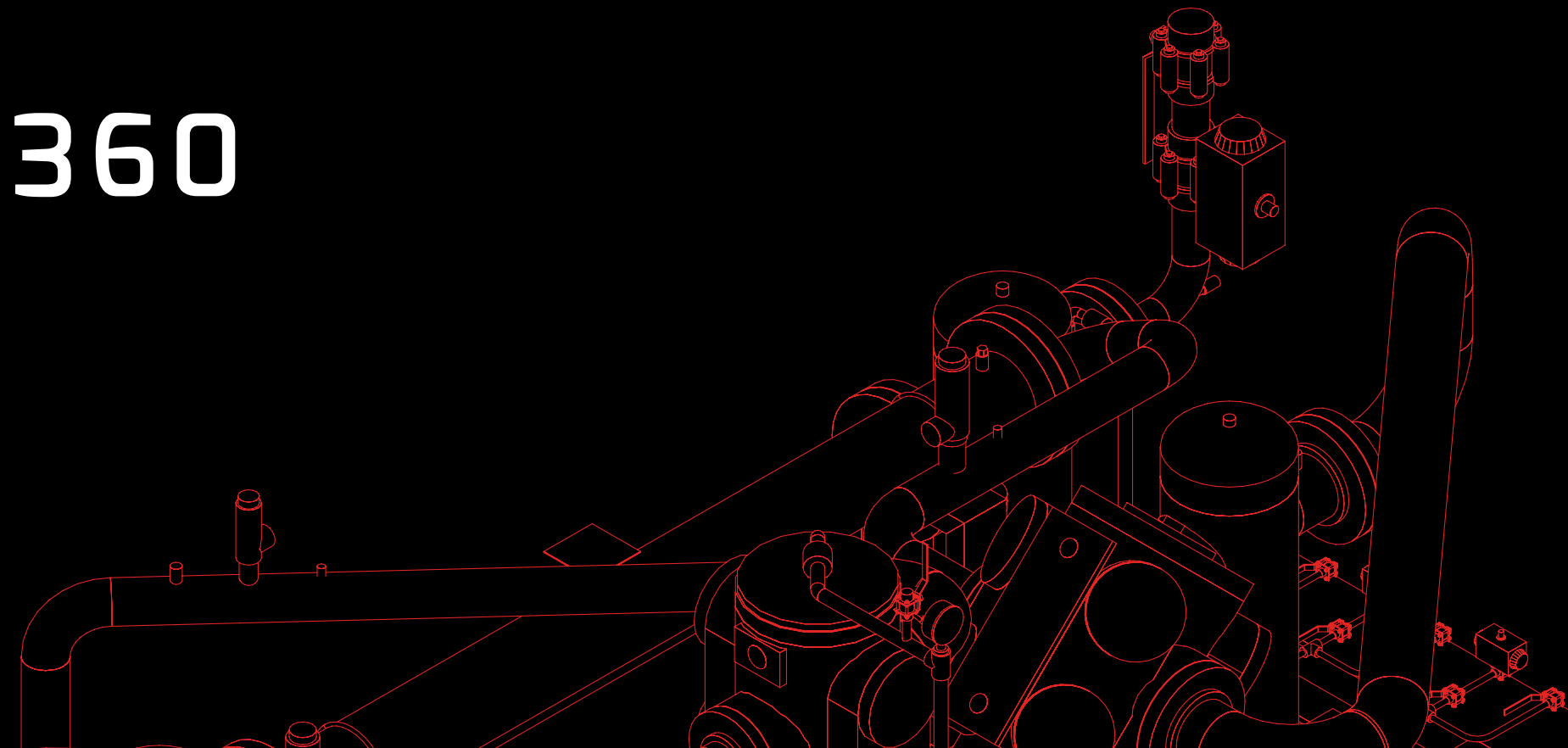
The purpose of 360 Energy Efficiency is to perform a 360° analysis of the industrial process condition and of the existing plants, to verify the possibility of increasing the efficiency and reducing the consumption with, for example, the implementation of an energy recovery system.



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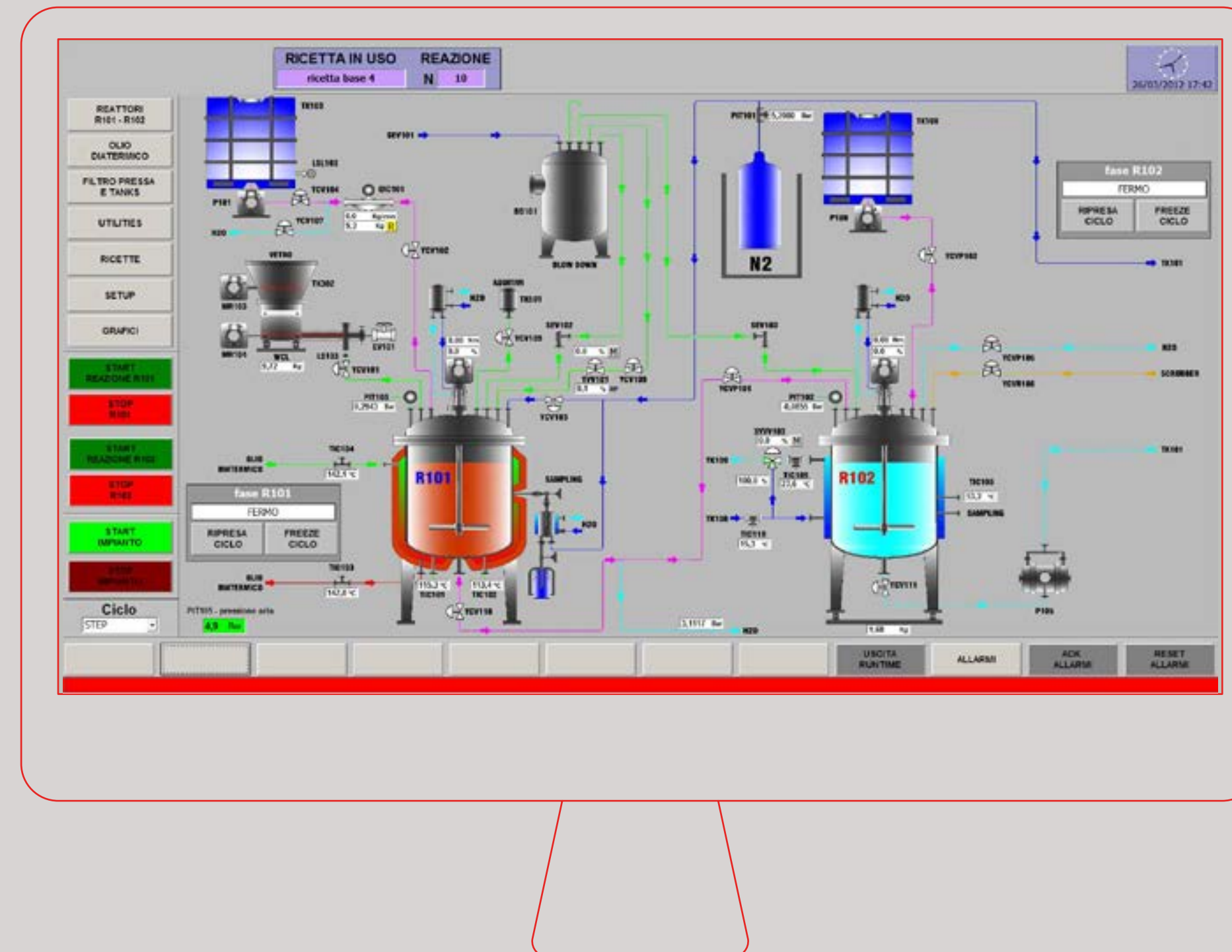


EFFICIENCY 360



Thanks to the analysis, sizing, design and construction of the systems, the following objectives are achieved:

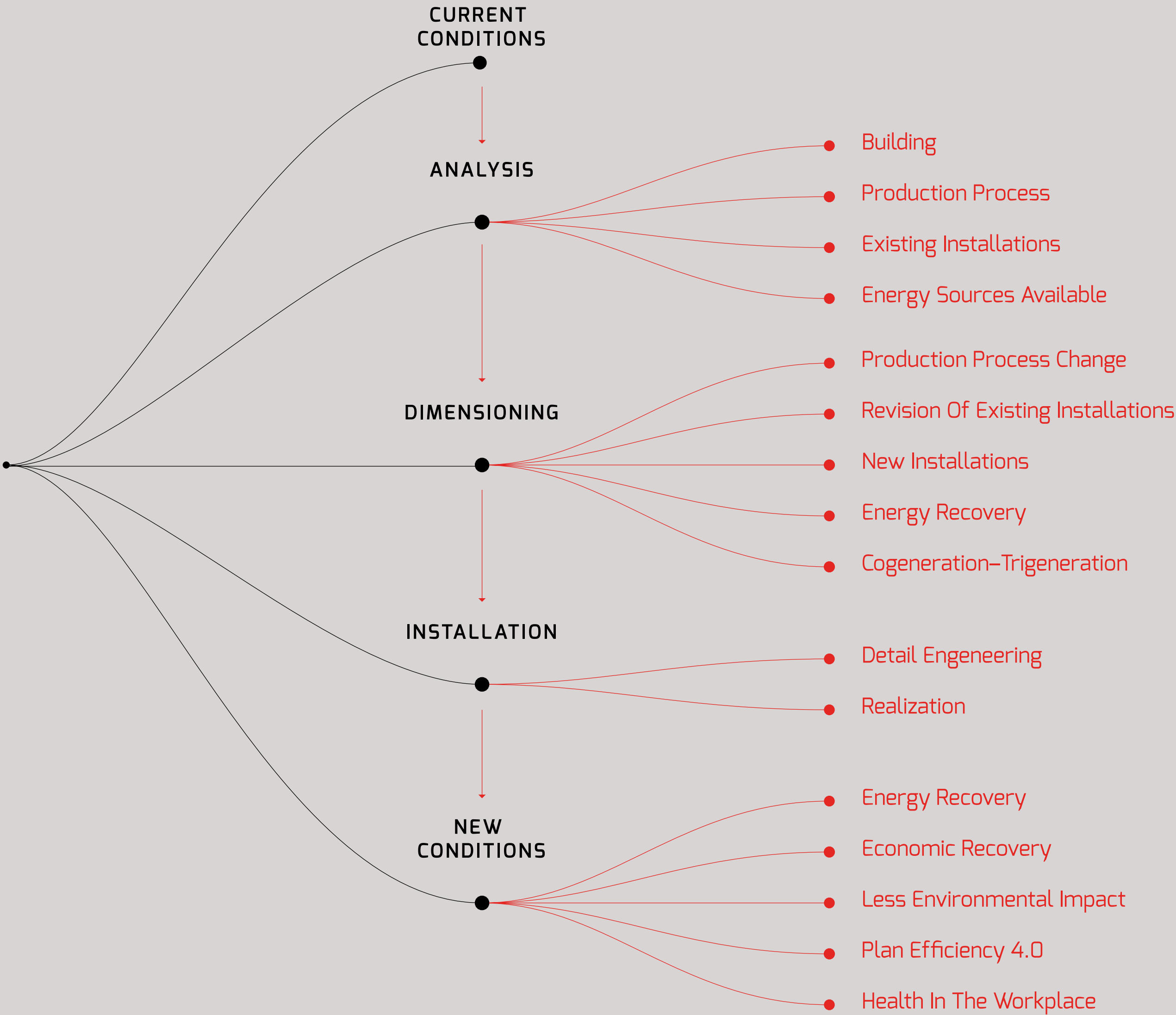
- Energy - saving.
- Cost saving.
- Lower environmental impact.
- Plant operation efficiency.
- Improvement of health and workplace environment.



EFFICIENCY 360

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Activities.





FILTRATION AND TREATMENT OF GAS AND LIQUIDS

03

FILTRATION AND TREATMENT OF GAS AND LIQUIDS

Sizing and design

- Extraction and abatement system for generic and toxic dusts, with fire or explosion hazard.
- Sleeve filters, cartridge filters, static filters, absolute filters.
- Activated carbon adsorption plants with and without automatic regeneration and adsorbed recovery.
- Water treatment plants.



FILTRATION AND TREATMENT OF GAS AND LIQUIDS

Sizing and design

- Scrubber and quencher.
- High efficiency separation cyclones for solid particulates.
- Deodorization plants.
- Analysis and study of the actual flow rates to be collected and treated, verification of the contemporaneity of aspiration.



Activities.

ENN.CO — Company presentation

03

VENTILATION AND AIR TREATMENT

04

VENTILATION AND AIR TREATMENT

— Sizing and design

- Heating and air conditioning systems in industrial environments.
- Adiabatic cooling systems in industrial environments. Industrial ventilation system.



VENTILATION AND AIR TREATMENT

— Sizing and design

- Air/air, air/water, and water/water energy recovery systems in industrial processes.
- Plants for air conditioning and ventilation of chemical laboratories.



Activities.

ENN.CO — Company presentation

04

RECOVERING AND REGENERATIVE THERMAL OXIDIZER

05

RECOVERING AND REGENERATIVE THERMAL OXIDIZER

Sizing and design

- Tower regenerative thermo-combustors
- Combustion chamber recovery thermo-combustors.
- Regenerative thermo-combustors with roto-concentration technology.



ENVIRONMENTAL SOLUTIONS AND WATER TREATMENT

06

ENVIRONMENTAL SOLUTIONS AND WATER TREATMENT

B-XYDE project

The B-XYDE project is aimed to treat waste water with high organic content, of chemical-pharmaceutical origin. The concept of waste is seen as a secondary raw material which assigns the focus of the process to the carbon source.

This allows to increase the performances and the stability and to keep the prices low of existing plants by treating a wide range of organic species on-site.



ENVIRONMENTAL SOLUTIONS AND WATER TREATMENT

Waste treatment process

- Evaluating existing waste flows; chemical analysis, classification, recovery and treatment options aimed to reduce the costs of the whole waste treatment process.
- Studying the process and retrofitting existing plants.
- Sizing and design on Pilot, semi-industrial and industrial scale, with high automation level, of water treatment plants, traditional and advanced bio-oxidation.



Activities.

ENN.CO — Company presentation



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