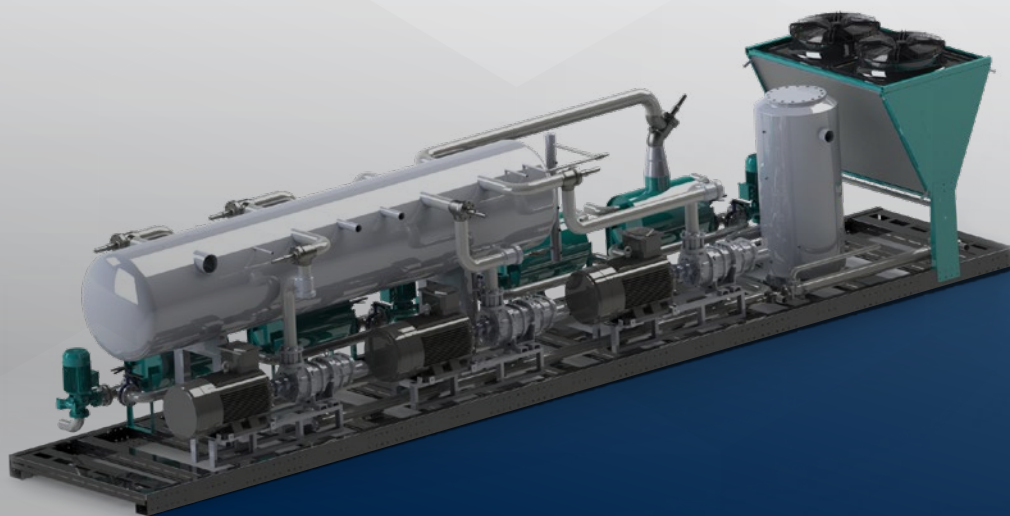




GELID

TAILORED ON-SKID COOLING SYSTEMS

REFERENT PROJECT EXAMPLES



www.gelid.rs

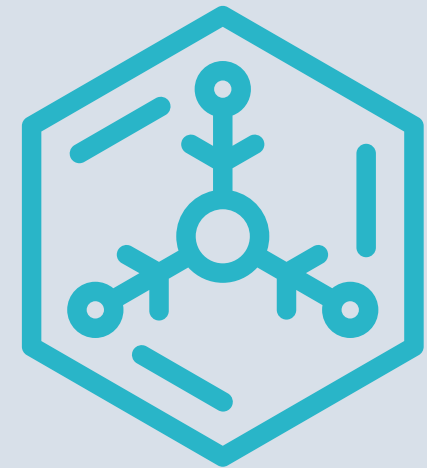
MISSION AND VISION

Our Mission:

High-quality, reliable and safe design and execution of industrial and commercial refrigeration and processing systems, meeting the needs of End users, and in accordance with the development of modern technologies.

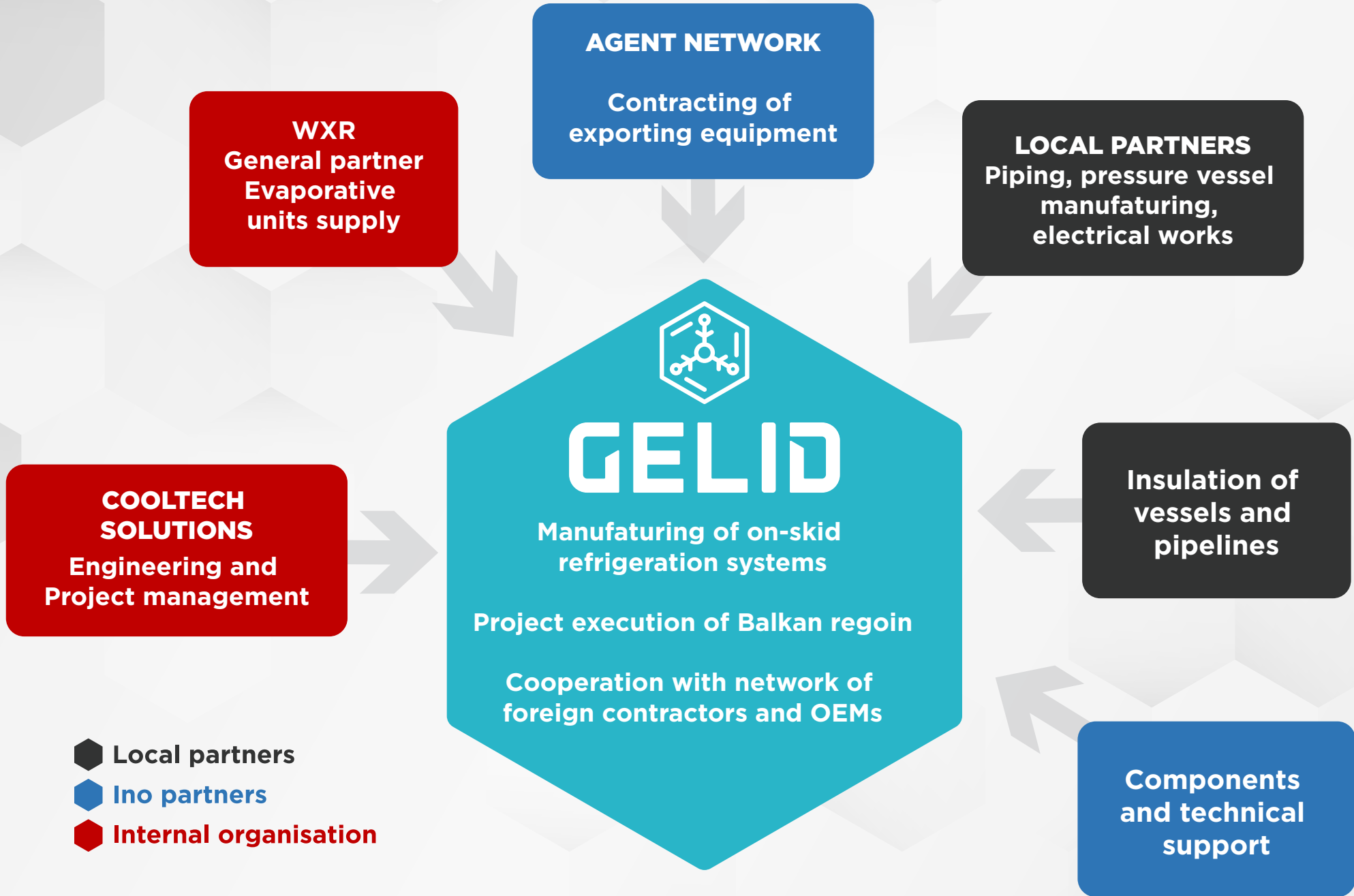
Our Principles:

- Quality
- Sustainable development
- Economy
- Professional development of our own personnel
- Partner support



Our Vision:

We aim at becoming a regionally recognizable design and construction group of companies, in terms of quality and overall economical aspect of our industrial solutions. This is to be done by applying new knowledges and technologies in creating our own tailor-made solutions to cater the needs of our cusotmers. Regionally, our company strives to become a leading constructive factor in overall economic development.



OUR DOMAIN



- INDUSTRIAL REFRIGERATION
- COMMERCIAL REFRIGERATION
- INDUSTRIAL PROCESSING SYSTEMS
- LARGE CAPACITY CHILLER UNITS
- DATA CENTER COOLING SYSTEMS
- SERVICE AND TECHNICAL SUPPORT



OUR CONCEPT

System design according to particular project requirements
Built in more options to on-skid units that saves site time



EXAMPLES

HVAC:

Integrated pump station systems and accumulation in chiller units and possible control of AHUs and other external elements

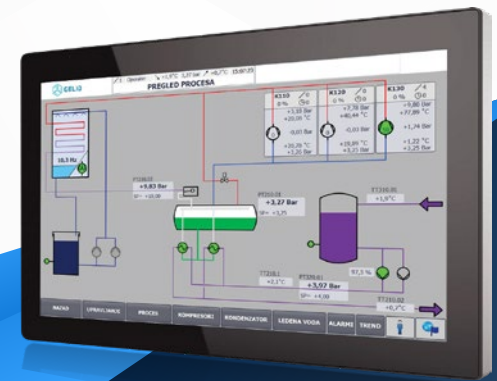
REFRIGERATION:

Manufacturing of complete condensing unit and compressor racks with integrated cold storage control with external supplied evaporator pump stations

PROCESS AND DATA CENTER COOLING:

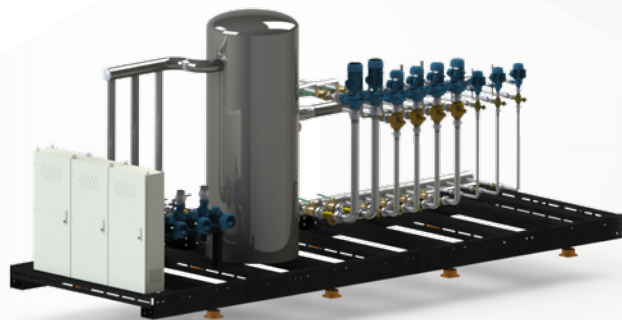
DX or secondary refrigerant systems with redundancy options tailored to specific process requirements

**FULL REMOTE CONTROL
ACCESS WITH 24H TECH SUPPORT**





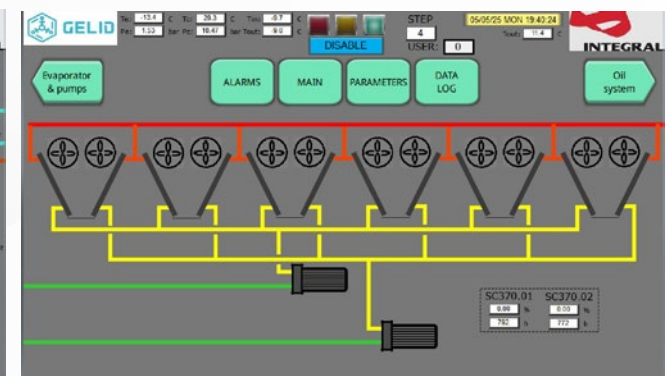
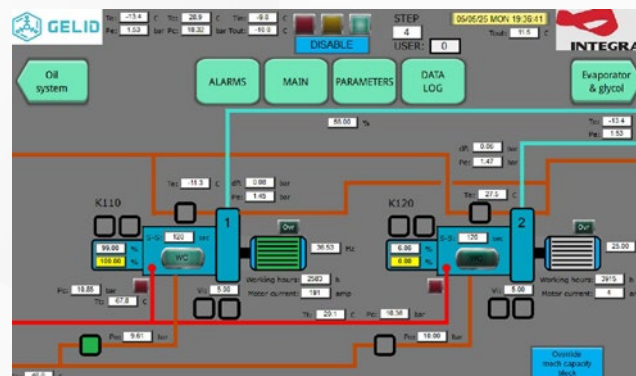
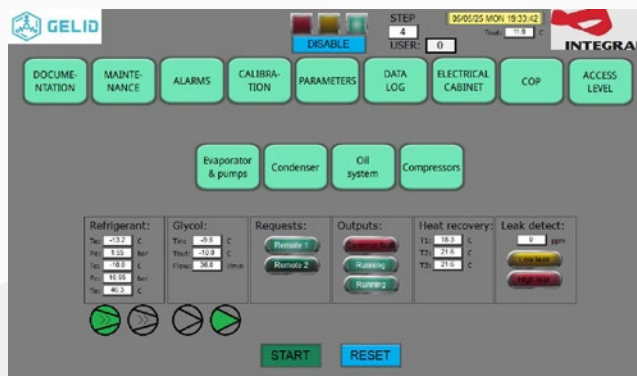
REFERENT PROJECTS



LOW TEMPERATURE GLYCOL CHILLER WITH AIR COOLED CONDENSER



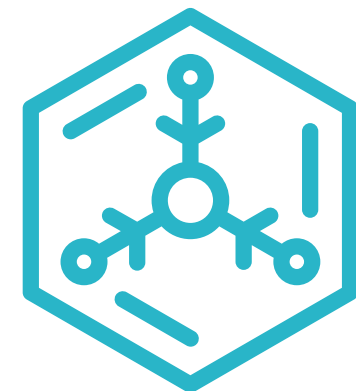
- End user: Schreiber food -major MCDonalds supplier
- Location: UK
- Coolant: 35%PG: -10 degC
- Refrigerant: R717 -flooded system
- Condenser: Air cooled
- Capacity: 700 kW
- Compressor type: open -screw
- Integrated glycol pump station
- Control of external glycol accumulation
- BACnet and MODBUS SCADA communication



DATA CENTER COOLING SYSTEM WITH REDUNDANT CHILLER AND FREE COOLING OPTION



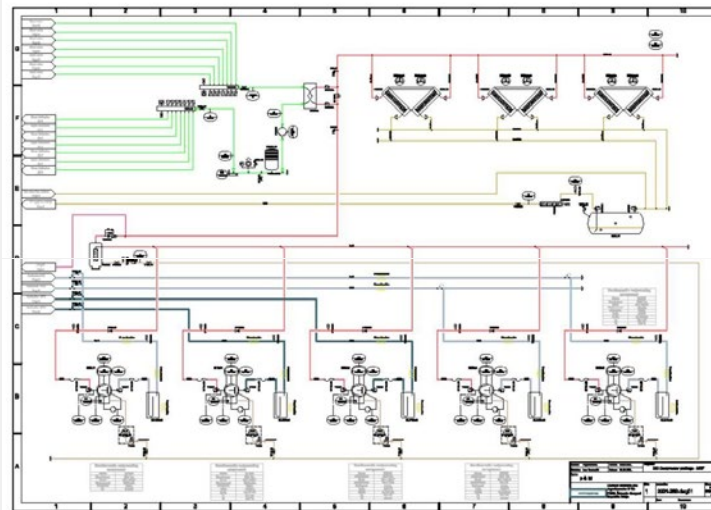
- End user: A1 -Mobile network provider
- Location: North Macedonia
- Coolant: 30% EG
- Refrigerant: R1234ZE -DX system
- Condenser: Water cooled
- Capacity: 500 kW working + 250 kW redundant
- Compressor type: semihermetic screw
- Cold glycol accumulation
- Free cooling option by means of closed circuit cooling tower
- Activation according to the request of data center cooling units
- Control system with redundant PLC
- Full visualisation of both cooling system and internal data center cooling units with data log system and remote alarm signaling



ON-SKID REFRIGERATION PLANT FOR STORAGE COOLING



- End user: FARMINA Pet Foods USA
- Location: North Carolina
- Refrigerant: R448A -DX system
- Condenser: Aircooled
- Cooling objects: one freezer room, one 32F (OC) room and two production plants
- Compressor type: semihermetic reciprocating with frequency drives
- Four working compressors, two for freezer room, one for 32F room and one for production plants
- One spare compressor with insulation valves for any of above specified systems
- Hot gas defrost with automatic defrost cycles setup
- Control of both condensing unit and cold storages in one system
- Advanced data logging and remote access
- Glycol based underfloor heating for freezer room
- Automatic cold storage doors with door opening time track



LOW TEMPERATURE CONDENSING UNIT FOR FREEZEDRYER APPLICATIONS



- User: PIGO -Food Equipment Manufacturer -Italy
- Location: Paraguay
- Refrigerant: R448A -DX system
- Condenser: Air cooled
- Compressor type: semihermetic screws with frequency drives
- Number of compressors -4 pcs
- Evaporation temperature --42C
- Advanced capacity control system from 5% to 100% for Freezedrying applications
- External communication with Freezedryer control system
- Data logging and remote access
- Heat recovery options
- Integrated connections for additional batch freezer





COUNTIRES WE WORKED IN





GELID

GELID doo
Jugoslovenska 2,
10.000 Belgrade
SERBIA
+381 11 405 3619
+381 11 405 3721
www.gelid.rs