

AGRU

THERMOPLASTIC SOLUTIONS
ENGINEERED FOR
DATA CENTERS



AGRU at a Glance

- Founded by Mr. Alois Gruber (1925–2014) in 1948
- Global HQ: Bad Hall, Austria
- Sold in over 100 countries
- From more than 150 distribution sites
- Supported by more than 1,000 employees.



Thermoplastic Solutions Providers

- XXL and industrial thermoplastic piping solutions
- Single- and double-walled piping systems, valves, fittings
- Customized Solutions



Engineering, Planning & Installation Support

- CAD/BIM Libraries (Revit, Plant 3D)
- Project experience in over 100 countries
- Material selection & Pipe Stress Analysis



Plants, Branches & OSM Pre-Fabrication Fabs

- Production Sites in Europe, USA, Asia
- Global OSM Pre-Fabrication Fabs
- Manufacturer and supplier of thermoplastic pipes, valves & fittings



Installation & Welding

- Welding according to DVS standards
- Welding Equipment (Butt, Infrared, Electro-Fusion...)
- Pipe Support System (AGRU SmartFit Pipe Clip)
- Welding training & project supervision on-site
- Prefabricated headers, skids

Interested in AGRU's Data Center Solutions?
Scan the QR code for more information.



DESIGN & PLANNING

CAD



BIM

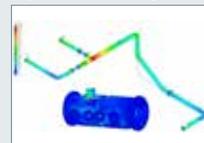


Design Support



ENGINEERING

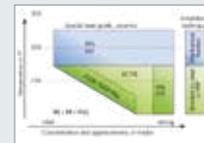
Pipe Stress Analysis



Pipe Class Specs



Material Selection



INSTALLATION

Welding Techn. & Equ.



SmartFit Pipe Clip



OSM Pre-Fabrication



AGRU

THREE
COOLING LOOPS
- ONE SUPPLIER

“From the River to the Chiller to the Chip”



Water Supply and CWS

- AGRULINE PE 100-RC piping system “from River to Chiller”
- Available with PP protective layer for installations in rocky soils
- Large range of diameters (XXL piping), fittings & customized solutions



FWS - Facility Water

- AGRUCHEM PE 100-RC and PP-R for higher temperatures
- Customized, prefabricated headers, flanges & spools
- IR welding ensures small and consistent welding beads



TCS piping & headers

- PP-R, PPPure & PVDF to meet the highest product cleanliness
- Poly-Flo Double Containment for installations close to critical IT Equipment
- OSM pre-fab and IR for fast and consistent installation (~70% faster than alternative methods)



Fire protection FM 1613

- Approved for 200 and 250 psi (SDR9/17.5 bar and SDR11/15 bar)
- Large range of joining methods (flanges, fittings, welding)
- On-site supervision/welding support, QA/QC documentation & testing for the highest demands



Chemical transport & storage

- ECTFE / PVDF for dosing of chlorine & pH control & PG 25
- Semi-finished products (e.g. sheets) for storage tanks
- Double Containment piping and AGRU Air for safe handling of fluids & gases



PVDF rack manifolds

- Leak-proof, lightweight design
- SmartFit Pipe Clip for TCS and manifold piping & valve support
- Tailor-made for your application (sizes, fittings, threads...)



No Corrosion, leak-proof

- Fast and homogeneous welding (butt or electro-fusion)
- No failure or downtime due to corrosion & incrustations
- Flexible & lightweight: less transport & fitting costs



Reliability & fast installation

- Chemical resistance for safety and long service life
- Highest product quality standards
- DVS certified welding and testing
- Easy and fast installation



Clean, smooth & Lightweight

- Highest purity and product cleanliness
- Lowest leach out of contaminants
- ~4x less weight
- Less pumping power necessary
- Fast, off-site fab reduces pre-commissioning times