

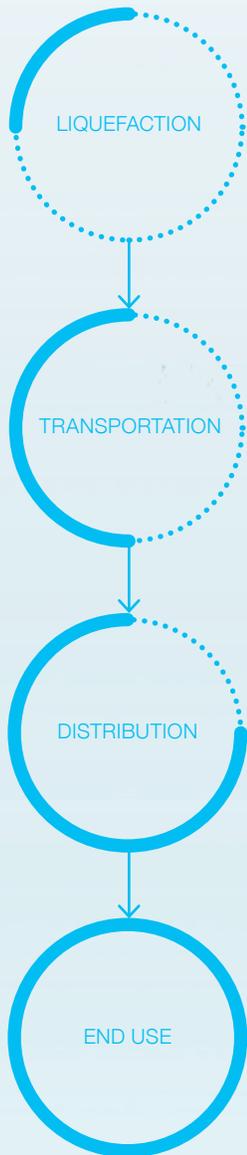
Nikkiso Clean Energy and Industrial Gases Group

Your global choice for innovative equipment and solutions in liquid gases and beyond.

Integrated Cryogenic Solutions Edition



NIKKISO



Solutions.

Nikkiso Integrated Cryogenic Solutions (“Solutions”) is an innovative specialty engineering, procurement and manufacturing unit of Nikkiso Cryogenics Industries. Our focus is on supplying total solutions for a range of applications in the Clean Energy and Industrial Gas industries.

Our specialists work closely with each customer from FEED stage through to the installation and start-up of each project to ensure a comprehensive solution that fits your unique requirements and budget. Each solution is designed to ensure efficient and safe operations that meet all applicable codes and standards. Being a best-in-class manufacturer of key cryogenic equipment gives the opportunity to deliver customized solutions to you in the shortest possible time, with the lowest possible ownership cost.

We Bring Everything Together

Solutions is unique in that many of the critical and proprietary cryogenic products are designed and manufactured within the Nikkiso Cryogenic Industries facilities. Additionally, Solutions utilizes our established relationships with key partners to supplement the in-house engineering and manufacturing capabilities. The result is total engineering, procurement and fabrication of your project. This ensures the highest quality equipment and guarantees a timely and successful project outcome. With over 50 years experience in the cryogenic equipment business, Solutions brings together the people, products and experience needed for system integration and single source responsibility.

Solutions provides value and successful results for our customers from:

- Single point of responsibility for the complete project
- Strength of a large group but with a small company entrepreneur culture (direct access to key personnel, prompt and flexible responses to customer requests and changes)
- In-house System integration and process competency
- In house experience and expertise to evaluate and execute 3rd party components
- Commercial flexibility
- Plug and Play Modular technology
- Complete aftermarket service





Montego Bay, Jamaica LNG Terminal; Cryoquip vaporizers and ACD send out pumps & Anthony Veder LNG vessel with ACD LNG fuel supply pump.

Nikkiso Cryogenic Industries has been providing critical equipment for many LNG terminals around the world. From regasification systems that included Cryoquip vaporizers and ACD pumps to trailer unloading systems. Solutions will bring everything together to provide a complete engineered modular solution for your LNG terminals including interconnecting piping and automated control system. Solutions also offers complete LNG fuel supply systems for marine vessels.

Nikkiso Competence for LNG Supply Chain

Major Components	Liquefaction	Transportation	Distribution
Pre-Treatment System	●		
Nat. Gas Liquefier	●		
Storage Tanks	●		●
Trailer Loading	●		●
Trailer Unloading		●	●
Ship Loading	●		●
Ship Unloading		●	●
Fuel Supply System		●	
Vaporizers			●
Send out Pump System			●
Virtual Pipeline			●
BOG Management	●		●
Cryogenic Piping	●		●
Balance of Plant	●		●
Overall Process Engineering	●	●	●
Overall Plant Engineering	●	●	●

● Supplied by Nikkiso Solutions ● Supplied by key partners



Nikkiso Cosmodyne is a world leader in small and medium scale natural gas liquefiers. Solutions brings everything together with the balance of the plant including storage tanks and fully automated trailer loading system, to provide a complete solution to you. Plants are modularized for accelerated installation and commissioning.





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