



TRI-GEN LNG Energy Solution

SOLUTION Innovative Clean Energy for Life



— MAKE A BIG CHANGE TODAY

Start Using Clean Energy

Adopt our LNG energy solution and take strategic control over your plant's sustainable energy future now!

We are the most innovative LNG energy solution provider in Thailand

Tri-Gen Solution provides a complete solution utilizing LNG as a source of clean energy to diverse into various forms of output such as electricity, heat, steam and cooling. This makes our LNG energy solution very cost effective for industrial customers and public facilities located away from physical pipeline.

LNG or Liquefied Natural Gas is the cleanest fossil fuel available. The combustion of natural gas does not emit soot, fume or dust which not only cleaner for the environment, safer for the community but also reduces maintenance cost and down-time cycle.



Reliability

LNG is, by far, cleaner than coal and HFO. LNG, naturally yields greater reliability and lower maintenance cost. LNG offers more optimal power & energy output configurations, thus provides the ultimate saving and longer MTBF.



Efficiency

LNG can be configured in co-gen, tri-gen and complemented by solar, wind and others for maximum efficiency & reliability. LNG carries much less explosion severity than LPG and lighter than air, thus it is very safe to transport, operate and store.



A Complete LNG Solution Provider

Tri-Gen Solution offers a complete solution from planning, implementing, engineering, regulatory, logistic and maintenance & after-sales services. LNG delivers the cleanest emission comparing to other conventional fuels and it is one of the most environmental friendly.



— THE COMPREHENSIVE ALL IN ONE SOLUTION

Why Is It Worth Choosing Tri-Gen's LNG Energy Solution?

Tri-Gen Solution provides a virtual pipeline infrastructure for industrial clients located away from the physical natural gas pipeline network. Our LNG energy solutions also pave a new future for remote small power producers and industrial estates suffering from fluctuating energy or fuel supply. Or those looking for cleaner, safer and more cost-effective energy solutions comparing with heavy fuel oil and diesel. Large energy demanding public and private facilities located in town such as hospital, department stores, hotels and others can also benefit from maximum efficiency when electricity, heat and steam are constantly being used.

- Through a strategic long-term partnership with PTT PLC and the government's Energy Regulatory Commission, Tri-Gen is ready and fully supported to provide reliable energy solutions for local industrial customers.
- Tri-Gen is capable of providing a complete energy solutions from site energy audit, EPC services, equipment installation and commissioning, regulatory services, LNG logistic and maintenance & after-sales services.
- Our industrial customers can benefit from flexible energy solutions designed specifically from each customer's future energy demand and optimal capital investment.



25+ Years

Experience in The Industry

OUR ENERGY SERVICES

Tri-Gen Solution Offers

LNG can power the mission-critical industrial applications better than any other renewable-energy based system and can be complemented by solar, wind turbine and other alternative energy sources for maximum efficiency.



Wind Energy

On-site LNG delivery + complementary wind turbine.



Solar Energy

On-site LNG delivery + complementary solar panels.



Small Power Producer

Remote LNG-based combined cycle power plant + co-gen or tri-gen (VSPP & SPP).



Site Energy Audit

Engineering service for site energy audit & optimization and fuel replacement.



Co-Gen & Tri-Gen

Super efficient 1.5 MW - 10 MW Co-Gen & Tri-Gen on-site .



EV Charging Station

An EV charging station attached to adjacent LNG-based power station.



Carbon Credit Audit

Carbon/pollution emission & credit audit and commercialization planning.



District Cooling/Power

LNG-based district cooling & power generation + co-gen or tri-gen complex.

OUR VALUES

Which Solution Is Right For You?

Key Features & Differentiation

LNG can power co-gen and tri-gen plant for maximum efficiency & reliability 24/7 and can also deliver reactive power. Unlike, the solar system which will not operate without sunlight or battery backup. Solar also suffers sunlight shading effect and seasonal intensity fluctuation.



85%

More Reliable Than Solar



60%

More Environmental
Friendly



45%

Less Maintenance Cost

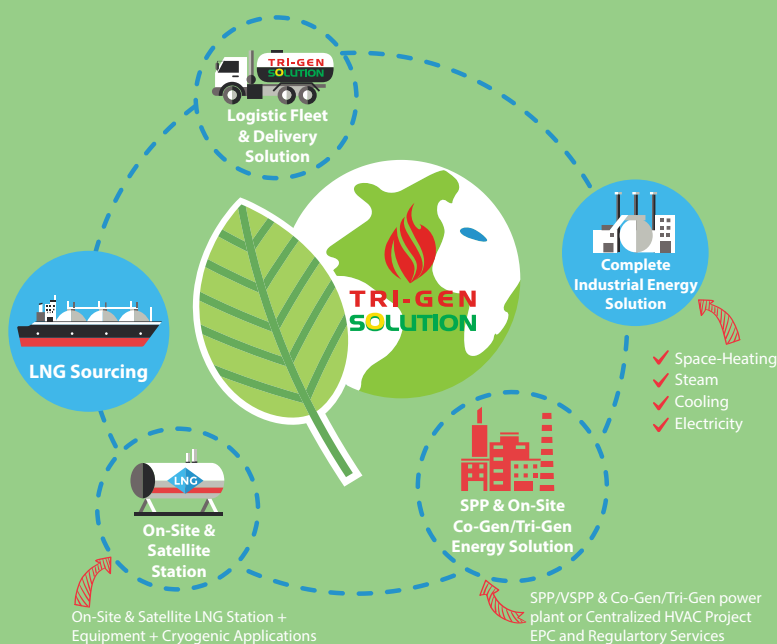


60%

More Efficient Through
Co-Generation

Solar panel, the material, also degrades over time which means the panel's generate less electricity along its' life time progression. Wind turbine, on the other hand, will provide output fluctuation based on the amount and speed of wind available at site. Although, Solar panel and wind turbine have grown very popular and more accessible in price, industrial customers are frequently being misled by marketing materials in the market and making a sub-optimal decision on their implementation plan. For industrial applications requiring maximum efficiency & reliability, as well as the reactive power, LNG-based power generation complemented by alternative energy source such as solar and wind are the most suitable for long-term investment.





Tri-Gen's LNG Energy Diversification

"The Future of Your Energy Sustainability"

QUESTIONS?

Contact Us Now

Call us now to find out if LNG is right for you or ask us how to replace your existing fuel with LNG and start saving energy cost and carbon emission.

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