

LNG CUSTODY TRANSFER

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As LNG sales agreements continue to evolve to meet the expectations of a changing supply and demand market, producers and buyers are insisting on greater precision, greater reliability, real-time cargo release and compliance with recognised international measurement standards.

Traditional custody transfer systems are being challenged to meet these requirements.

Synertec's LNG custody transfer system is certified by both the National Measurement Institute (Netherlands) and EffecTech (UK) ensuring the most precise measurement of loaded LNG.

The System has been field proven to provide a substantial ROI and as such has earned accolades from some of the world's LNG majors.

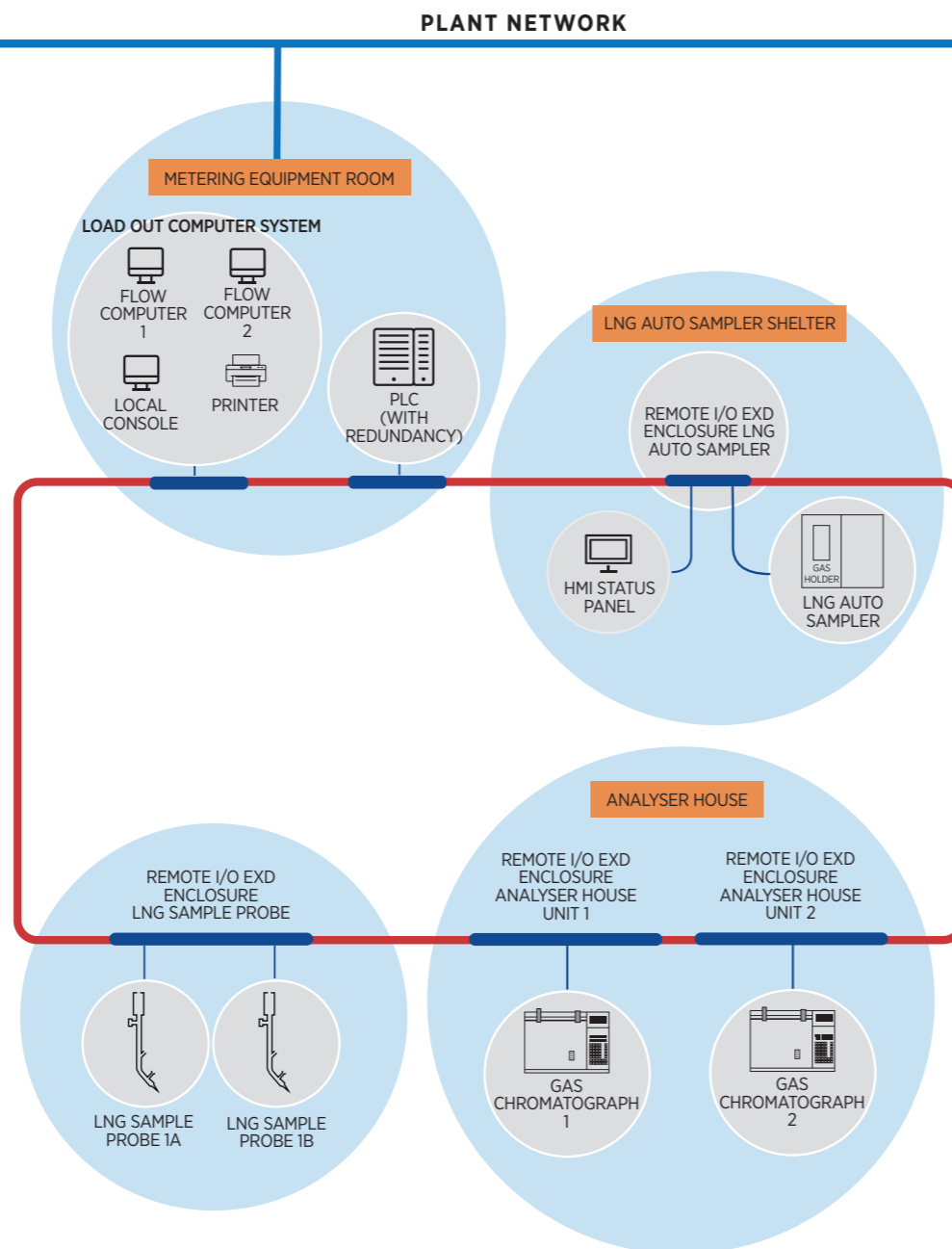
In summary, The System has been field proven to provide the following significant benefits:

- Improved profits
- Improved cashflow
- Reduced (if not eliminated) disputes
- Reduced (if not eliminated) reliance on laboratory testing

The Synertec custody transfer system is a skid mounted module suitable for all LNG applications including shipboard and floating LNG installations. Synertec is dedicated to meeting customer needs and to this end Synertec is able to offer its valued clients flexible procurement options tailored to specific needs. For example, Synertec is able to offer The System on a lease arrangement with no money to be paid until the system is installed on-site.

Let Synertec demonstrate that we are committed to becoming your LNG custody transfer system supplier of choice.

THE SYNERTEC SYSTEM



FASTER SAMPLING MEANS FASTER PAYMENTS



SYSTEM FEATURES

- Accurate sampling and analysis
- Representative measurement
- Guaranteed performance
- Compliance to Gas Sales Purchase Agreements (GSPA)
- Testing of impurities to ISO 6978 and 10715
- Redundancy
- Equal portions of the gaseous sample from LNG loading lines
- Retention of analytical data and audit trail
- Reduced laboratory labour requirements

INTEGRATED LOCS FEATURES

- NMI certified
- Validation software
- Gas sample container tracking
- Degree of sub cooling alarms

CALCULATIONS INCLUDE

- Line volume flow rate, heating values
- Line density
- Mass flow rate
- Energy flow rate
- Wobbe index

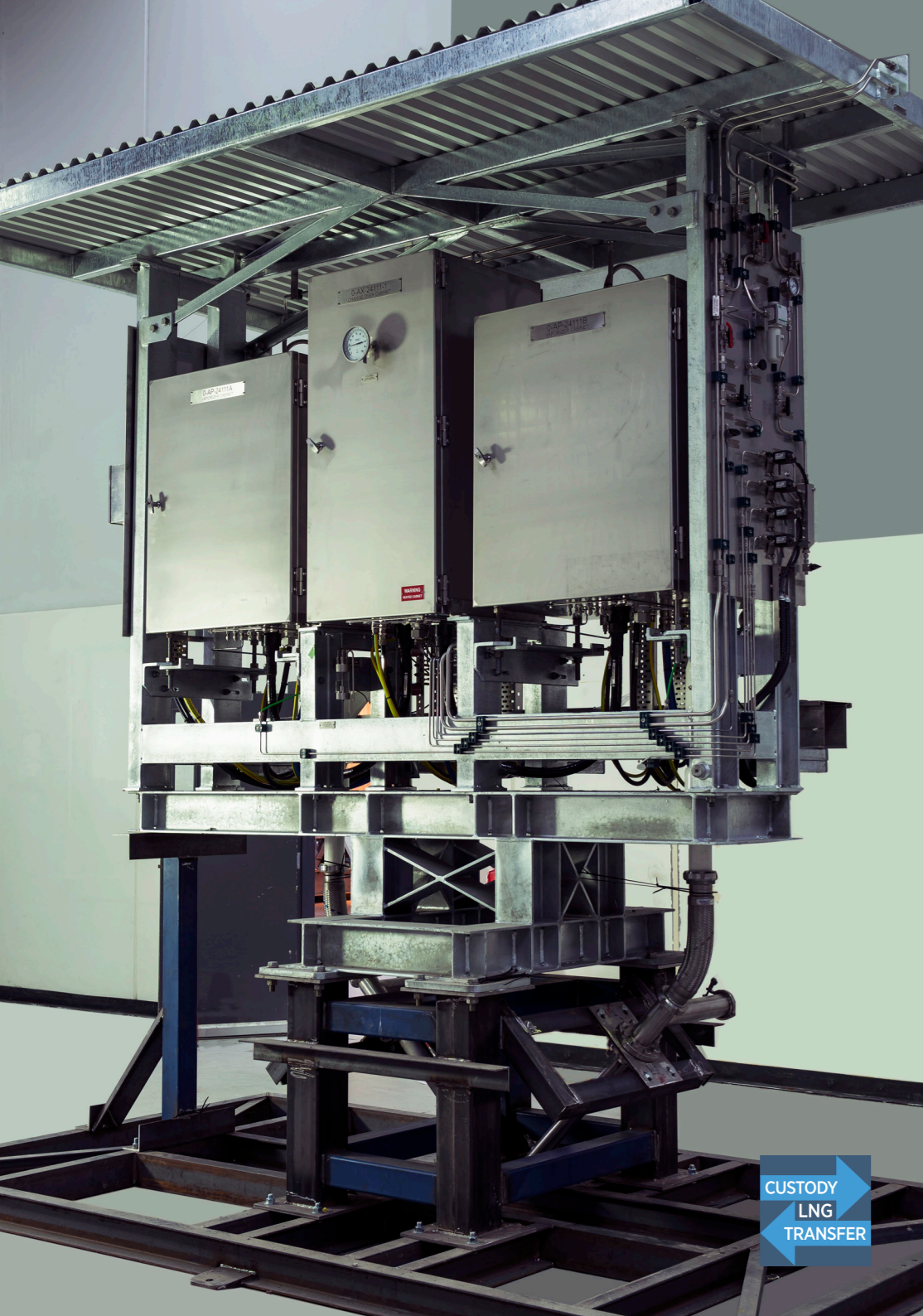
FIELD PROVEN



Gorgon LNG installation, Barrow Island, Western Australia



Wheatstone LNG installation, Onslow, Western Australia



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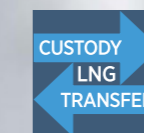
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Synertec Excellence in LNG Custody Transfer



UNIQUE + ACCURATE

0.107% Uncertainty in Heating Value (MJ/kg)

99.98% Correlation with laboratory testing

0.04% Field proven repeatability

ISO 8943 Sampling of liquefied natural gas

ISO 6974 GC compliance to ISO 6974

GIIGNL* Compliance to GIIGNL (2017)

NMI CERTIFIED NMI Certified

* International Group of Liquefied Natural Gas Importers