

Breathing new life into society,
people and the next era.



Hitachi High-Tech AW Cryo, Inc.

HITACHI
Inspire the Next

Creating New Value Chains in the
North American LNG Market

November 25th, 2014
CCCJ Energy Round Up

North American HQ in Vancouver, B.C.

Hitachi High-Tech



Hitachi High-Tech AW Cryo, Inc.



AIR WATER PLANT & ENGINEERING INC.

- Over 30 years of LNG handling experience using proven advanced Japanese technology
- Made in North America
- LNG Transportation and Cryogenic Storage Equipment (ISO Containers, Storage Vessels, etc.)

HITACHI
Inspire the Next

- Quality
- Safe
- Reliable

Hitachi High-Tech AW Cryo, Inc.

LNG Distribution: Japan Experience

Transportation via Tank Trucks/ ISO containers

Tank Trucks or ISO TC



Japan Experience: Over 60% market share of LNG transportation and storage tanks

Transportation via Railways



Source: Japex

More than 300 LNG tanks/ containers manufactured since 1999

Over 30 years of experience in manufacturing:

40ft/30ft/20ft ISO LNG ISO containers

8 ton/14 ton/15.7 ton LNG Delivery Trucks

Small/Med./Large scale Cryogenic Liquid Storage Tanks & tank trucks

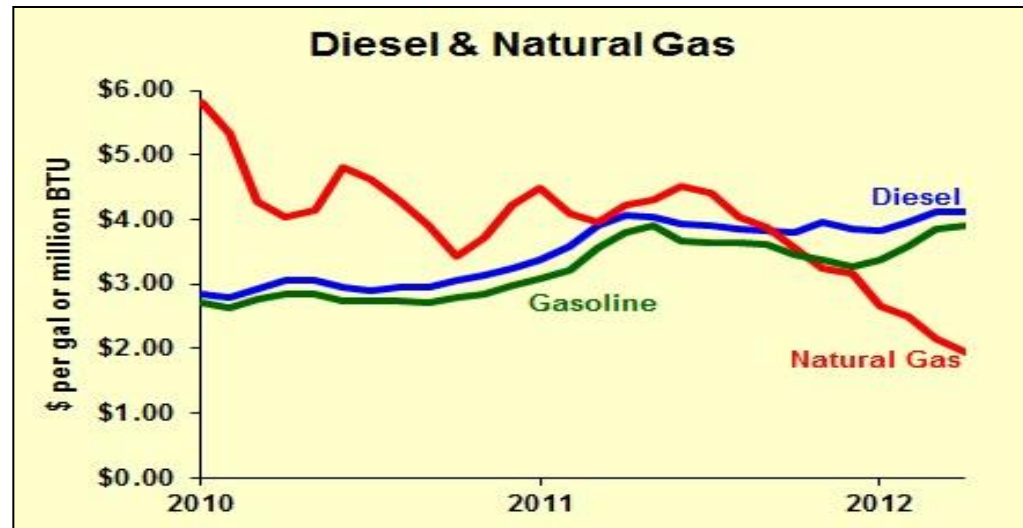


Products for North American LNG Market

North American Shale Gas Revolution



Locomotive, Truck, & Ferries:
Commercial drive to lower operation cost & Stronger Environmental Regulations.

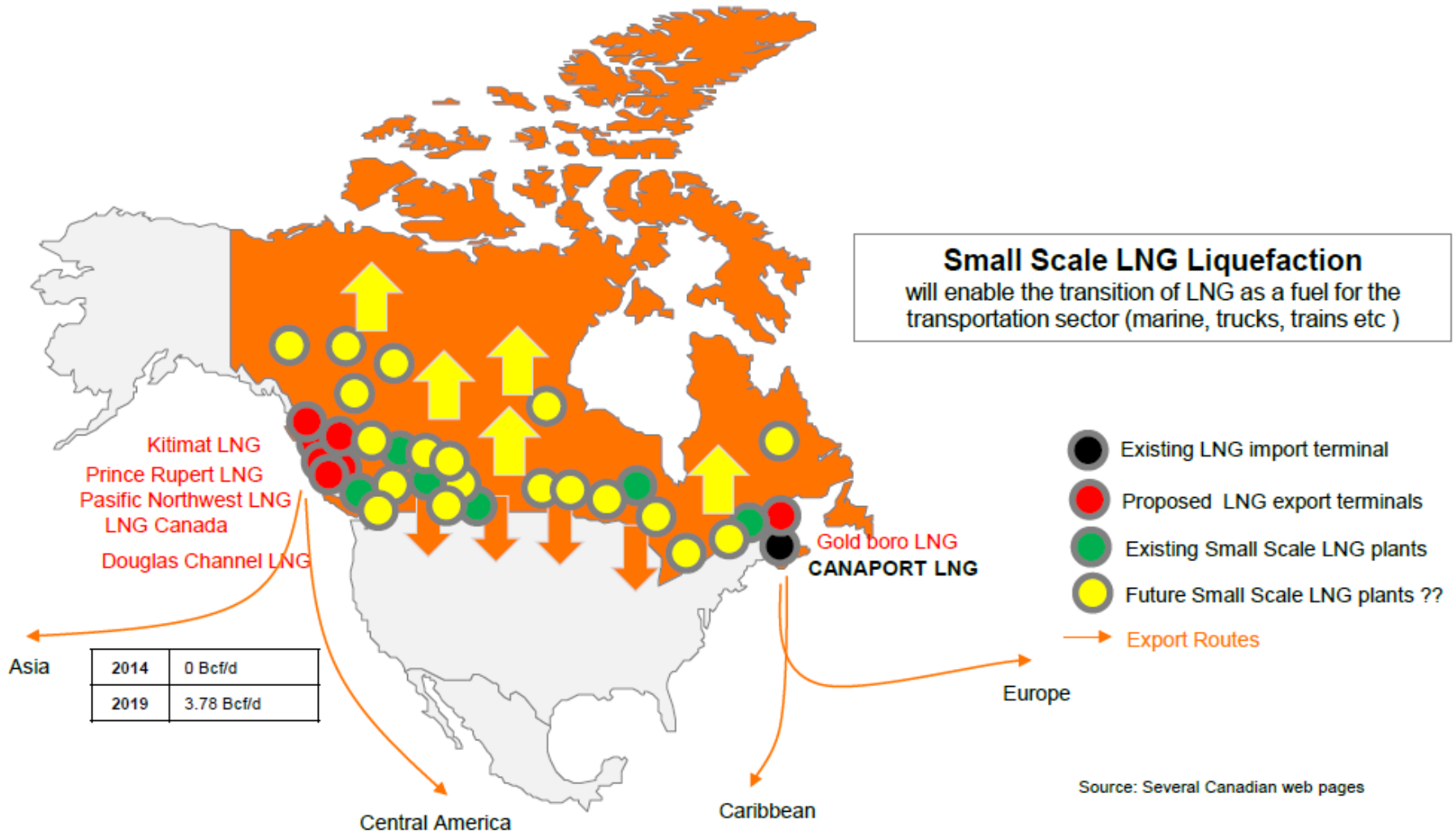


Energy Cost Shift

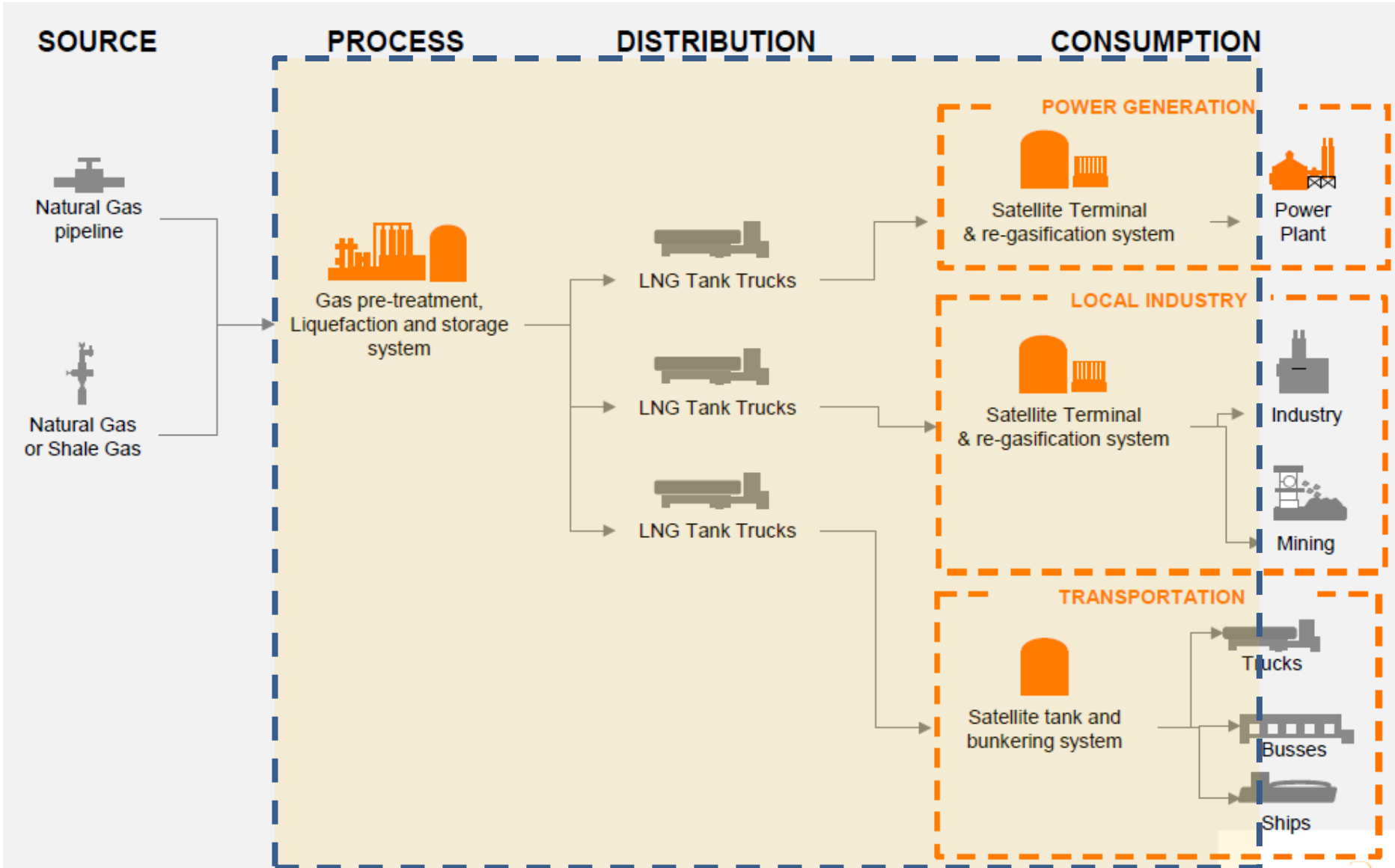


Focus on Tank & Supporting Equipment

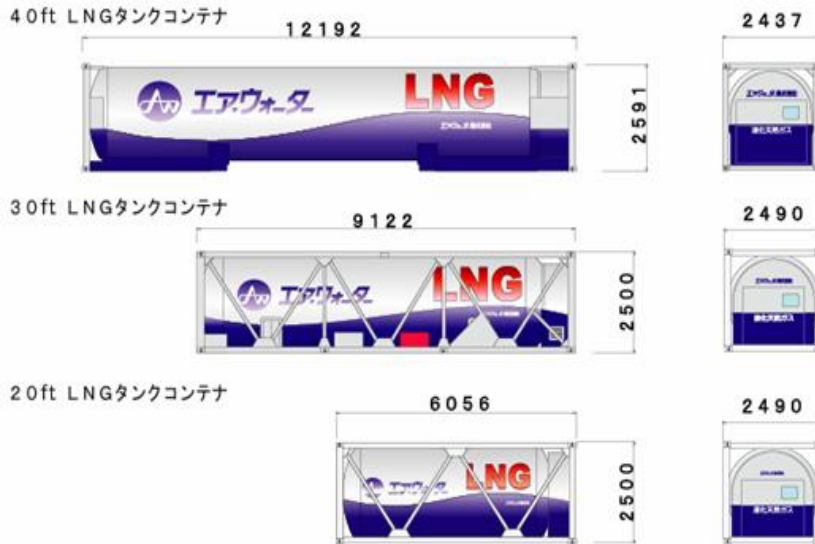
LNG in Canada Today



The Value Chain



LNG ISO Tank Container



Japanese market tanks: www.awpe.co.jp

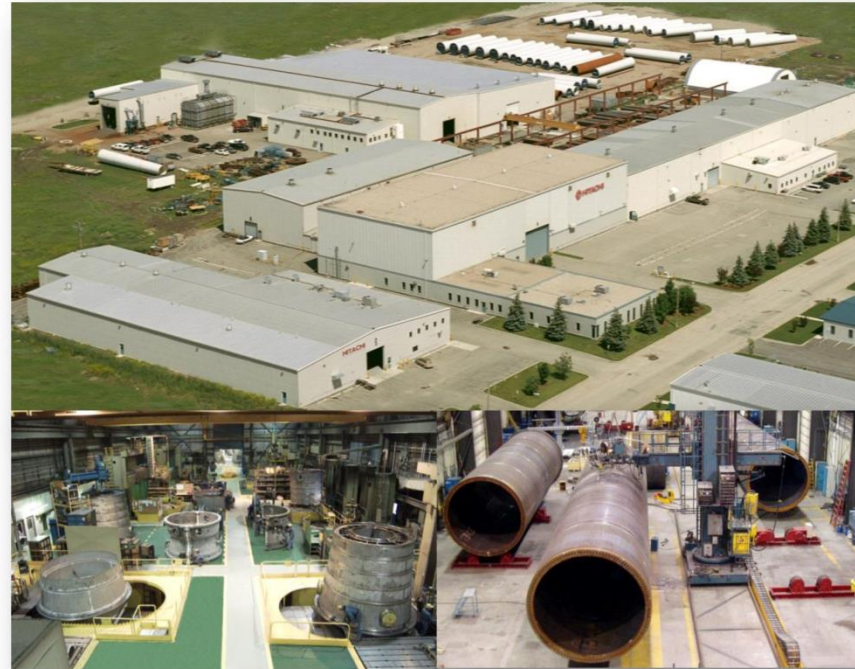
Optimal Insulation and Vacuum Engineering:

- 1.Superior performance:** Proprietary vacuum/insulation engineering performs better in high vibration and ocean shipping environments.
- 2.Less maintenance:** Tanks remain longer in operation between routine inspections.
- 3.Safer:** less pressure rise in inner tank even if vacuum breach occurs in case of accident.



MITSUBISHI HITACHI POWER SYSTEMS CANADA, LTD.

State-of-the-Art facility can manufacture a variety of custom pressure vessel tanks, including LNG, Propane, CO₂, NH₃, O₂



- 30,000 production hours per month (Fabrication + Machining);
- 200,000 sq ft of total production area;
- Strategically located in North America to serve primarily the Power Generation, Mining and Oil & Gas and Oil Sands sectors.

Industry Working Together for Common Goal



Thank you



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