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Floating Power

Key Benefits

-  **Cost-Effective**
Tailored solutions for optimal value
Accelerated ROI with quick deployment
-  **Eco-Conscious Energy**
Cleaner fuel transition technology
Low emissions combined cycle
Alternative fuel ready
World bank compliance
Reduced GHG emissions
ESG awareness
-  **Adaptable & Future-Ready**
Easily re-deployable to new locations
Seamless integration with offshore renewable energy
-  **Security of Supply**
Multi-fuel reliability
Energy storage integration
Data center ready
-  **Community-Friendly (NIMBY Solution)**
Discreet near-shore placement, minimizing visual impact
-  **Proven & Low-Risk**
Minimal on-site construction
Built, tested, and delivered from yard
-  **Quick-to market**
Streamlined permitting vs. land-based alternatives
Shorter project lead time vs. conventional land-based



Various Solutions Available

Solutions
A

Reciprocating Engine Configuration

Capacity range typically:
30MW ~ 150MW

Efficiency of plant :
approx 47%

Solutions
B

Combined Cycle Gas Turbine Configuration

Capacity range typically:
150MW ~ 600MW

Efficiency of plant :
approx 56%

Floating Power Under 150MW

The **Future-Proof** Decarbonization Solution

Scalable

Efficient

Fuel-Flexible



Scalable

Adapts to growing energy demands seamlessly



Low GHG Emissions

Drives compliance with global sustainability goals



Cost-Optimized

Reduced CAPEX & OPEX for faster ROI



High Efficiency Engine (~47%)

Maximizes output, minimizes waste energy with combined-cycle



Fuel Versatility

Compatible with multiple energy sources for flexibility

+Optional Add-ons

1

Battery energy storage system (BESS)

2

Integrated propulsion

3

Integrated with renewable energy



Next-Gen Floating Power Above 150MW

Proven CCGT Power Barge

Reliable

Efficient

Future-Ready



Proven Combined-Cycle Technology

Enhanced efficiency with validated performance



Dual-Fuel Capable

Runs on LNG today, compatible with hydrogen blends for tomorrow



Low GHG Emissions

Clean energy generation with minimal environmental impact



Cost-Optimized

Both CAPEX and OPEX are optimized for long-term economic sustainability



Fully Integrated & Compact

Rapid deployment



LNG HUB: All-in-One Energy Hub



End-to-End Integration

Combines power generation (CCGT/engines), FSRU, and gas/heat distribution in a single facility



Scalable Output

Modular design grows from 150MW to 450MW



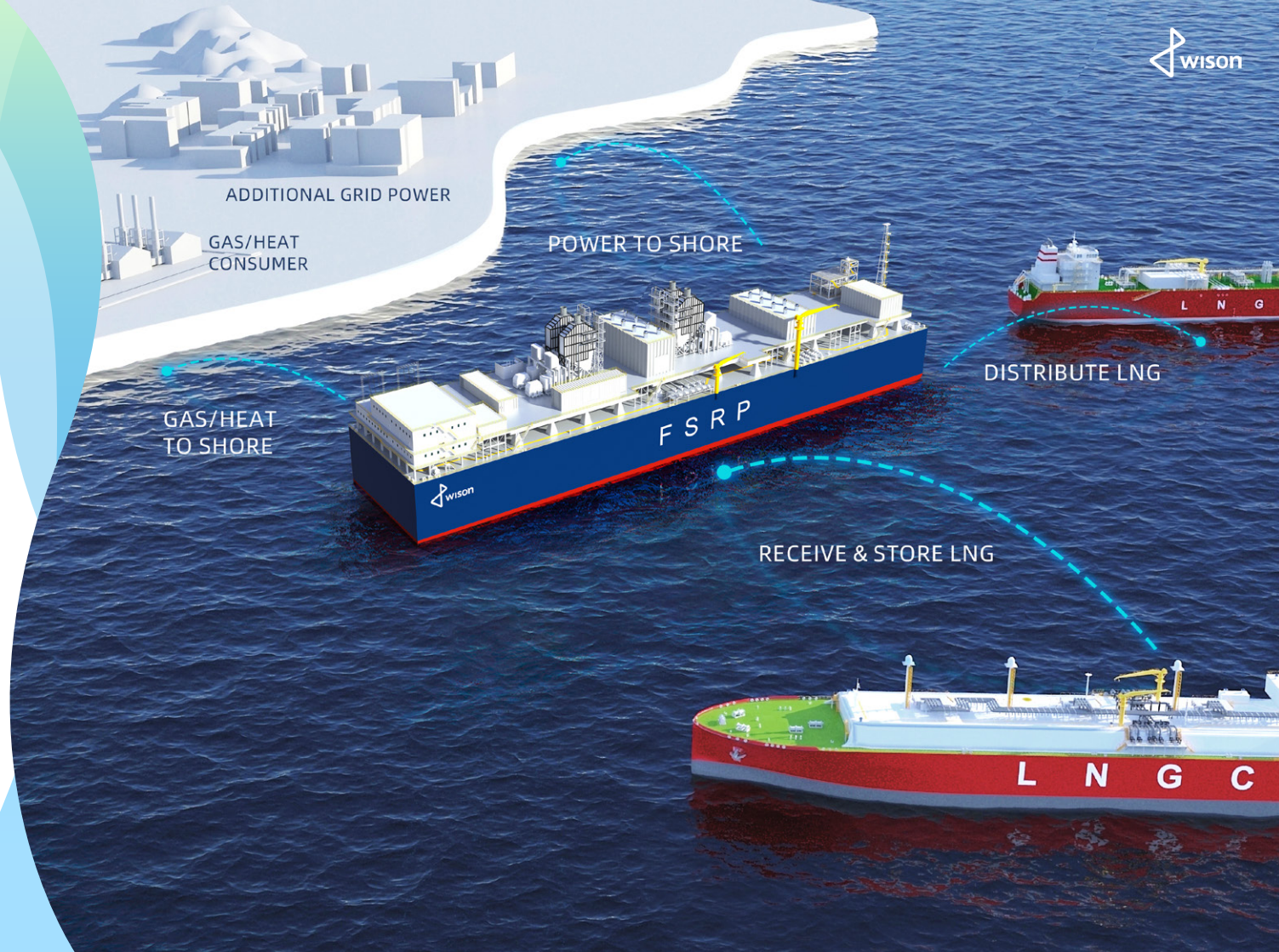
Revenue Flexibility

Sell power or re-gasified LNG to grids/industries



Future-Proof

Designed for hydrogen and CCS retrofits





From Reactive to Predictive

AI for Smarter Floating Power Plants

AI-Driven for Offshore CCGT, Engines & Hybrid Energy Systems



AI-Assisted Steam & Water Quality Control for CCGT Plant

Real-time adaptive control - adjusted dosing for startup/ramp/peak/shutdown phases automatically
Enhance performance, reduce downtime, improve reliability and safety



Smart Generation-to-Demand Control

AI optimizes load distribution in real time, continuously improves efficiency based on operational data and improving grid stability



Renewable Integration Ready

Stable hybrid power for isolated grids



Emissions Tracking

Real-time kg CO₂/MWh reporting for ESG compliance

Why It Matters



For Operators

10-15% higher efficiency vs. conventional control systems



For Grids

Enables 30% + renewable penetration without compromising reliability



For ESG Goals

Reduces CO₂ emissions by minimizing fuel-powered idle time

Reduce operational costs & improve lifecycle management