

三井-Everllence B&W 二元燃料エンジン

ME-GI Gas Injection	燃料の種類	Fuel designation
	メタン / LNG	-GI
	エタン	-GIE

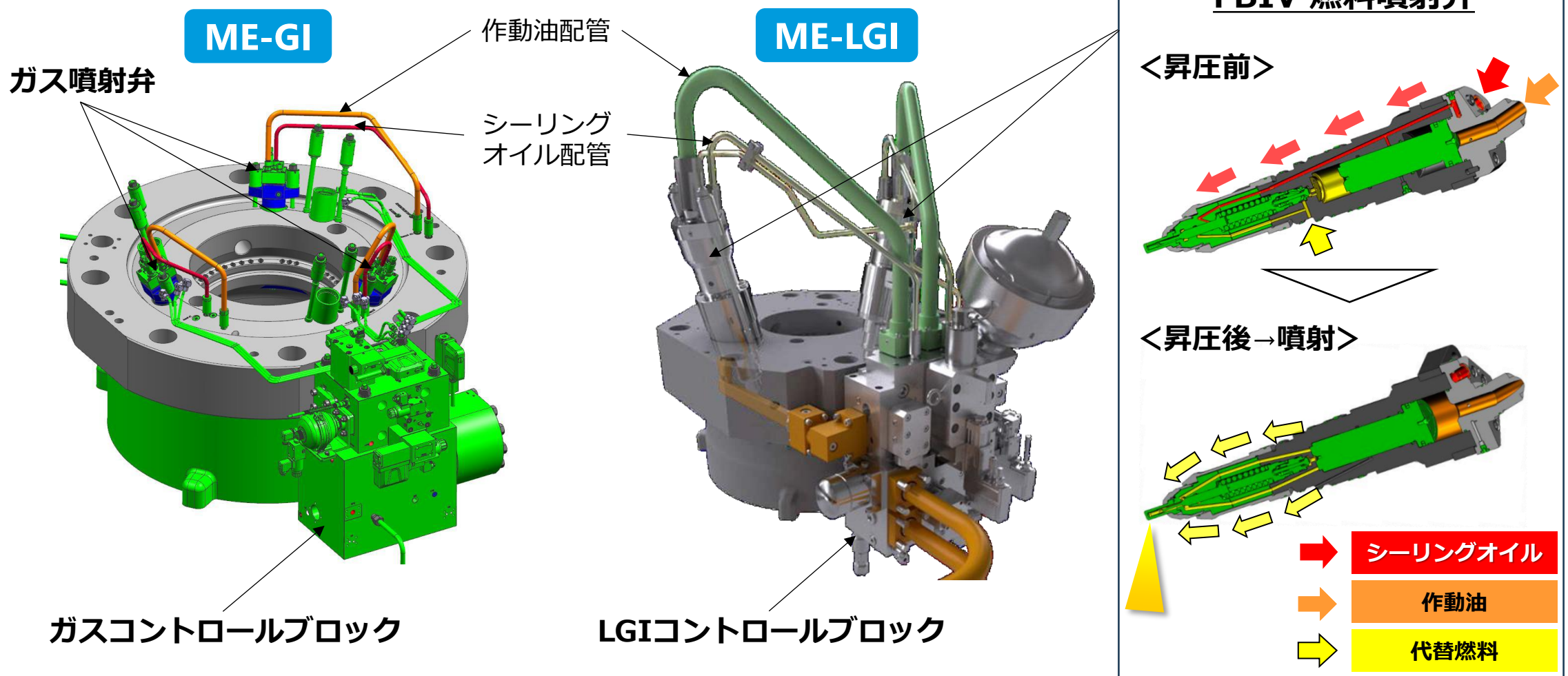
ME-LGI Liquid Gas Injection	燃料の種類	Fuel designation
	メタノール	-LGIM
	液化石油ガス / LPG	-LGIP

*under development

ME-GI/LGIエンジンの特徴

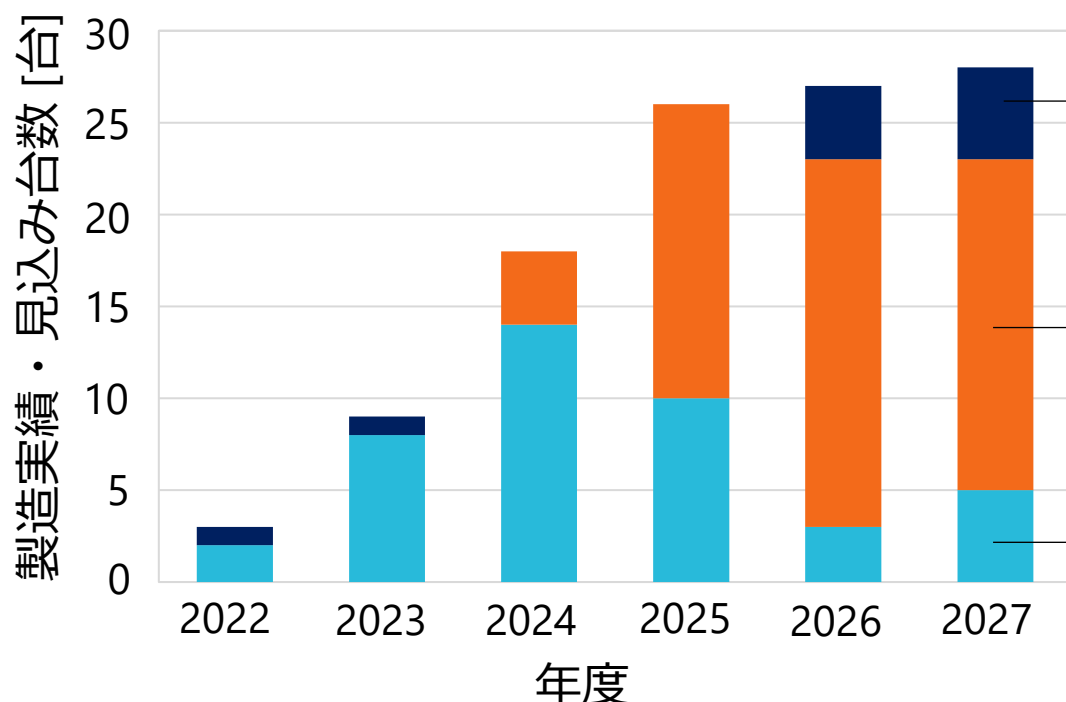
- ・ディーゼルサイクル 採用 (拡散燃焼方式)
- ・二元燃料エンジン (100%Load重油運転も可能)
- ・重油焚き電子制御エンジンに GI/LGI関連部品を追加

ME-GI/LGIエンジンの追加機器 (シリンダカバー周り)



当社二元燃料エンジン製造実績・見込み

(2025年9月時点)



近年の当社製造実績例

ME-LGIP →
 ・ 6G60ME-C10.5-LGIP (for VLGC)

ME-LGIM →
 ・ 6/7G50ME-C9.6-LGIM (for Bulk Carrier)
 ・ 6G80ME-C10.5-LGIM (for Container ship)

ME-GI →
 ・ 6S60ME-C10.5-GI (for PCC)
 ・ 12S50ME-C8.5-GI (for Ferry)

二元燃料エンジンの台数は年々増加傾向

mitsui-everllence B&W Dual Fuel Engine

ME-GI Gas Injection	Fuel type	Fuel designation
	Methane / LNG	-GI
	Ethane	-GIE

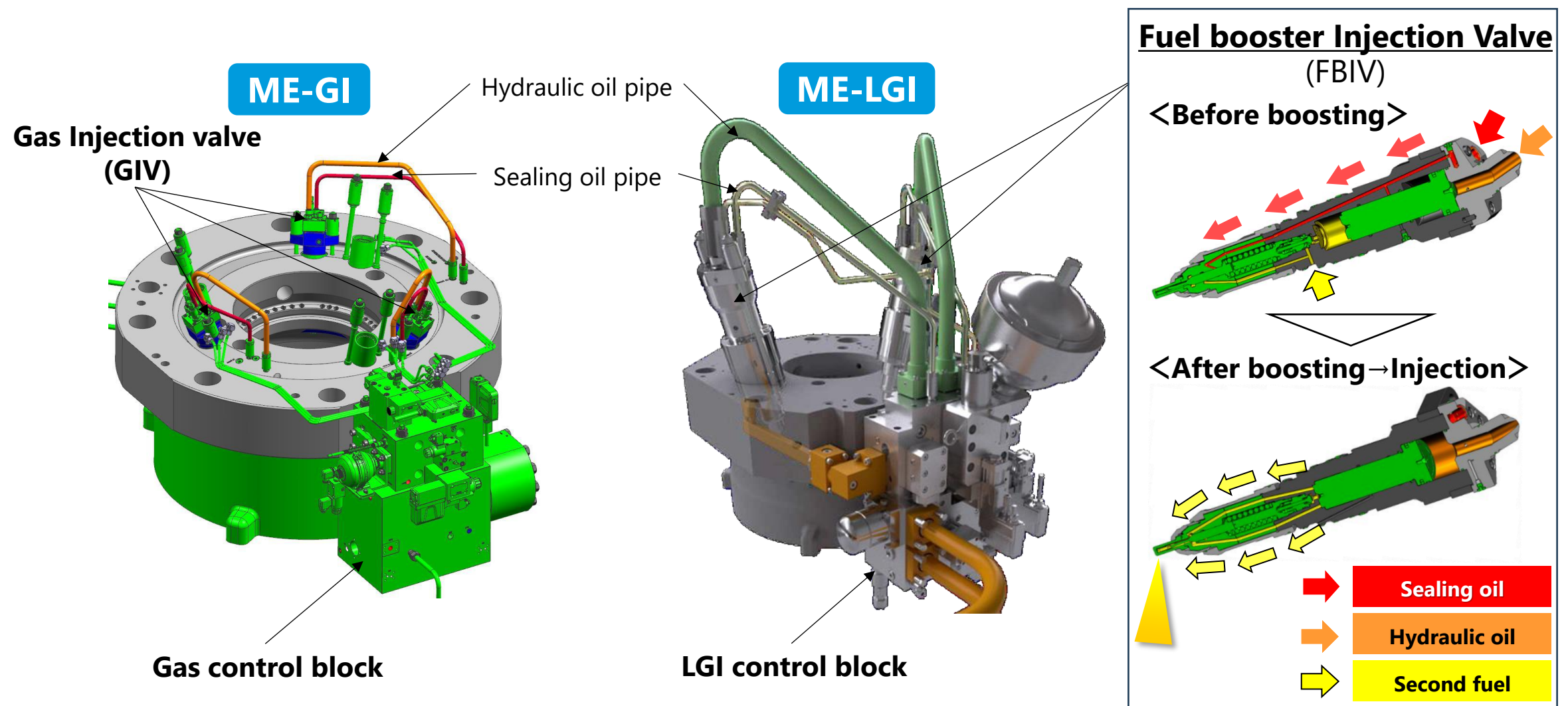
ME-LGI Liquid Gas Injection	Fuel type	Fuel designation
	Methanol	-LGIM
	LPG	-LGIP
	Ammonia	-LGIA*

*under development

Features of ME-GI/LGI engines

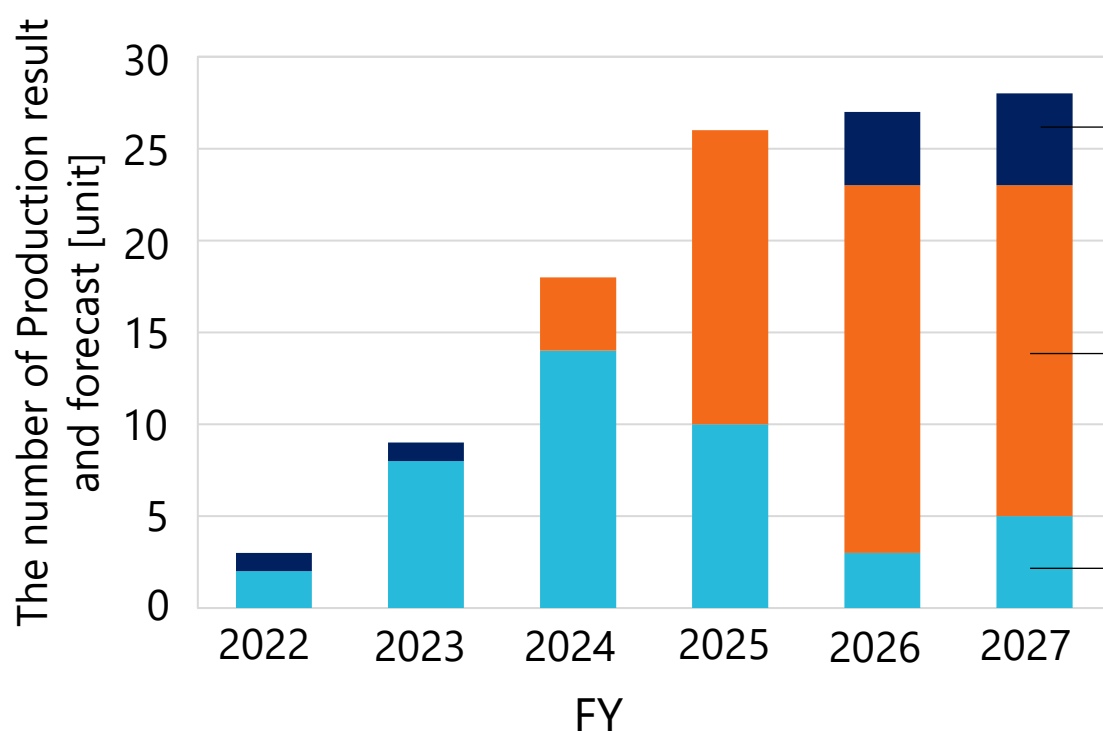
- Applied diesel cycle (diffusion combustion)
- Dual fuel engine (available fuel oil operation at 100%load)
- Added GI/LGI components on fuel oil burning ME engine

Added parts around cylinder cover for ME-GI/LGI engine



Our order result and forecast for dual fuel engines

(as of Sep.2025)



Examples of recent achievements

• **6G60ME-C10.5-LGIP**
(for VLGC)

• **6/7G50ME-C9.6-LGIM**
(for Bulk Carrier)
• **6G80ME-C10.5-LGIM**
(for Container ship)

• **6S60ME-C10.5-GI**
(for PCC)
• **12S50ME-C8.5-GI**
(for Ferry)

The number of dual fuel engines are increasing