



GenSys GmbH

BRIEF INTRODUCTION + PRODUCT RANGE



2026



Company introduction

Milestones:

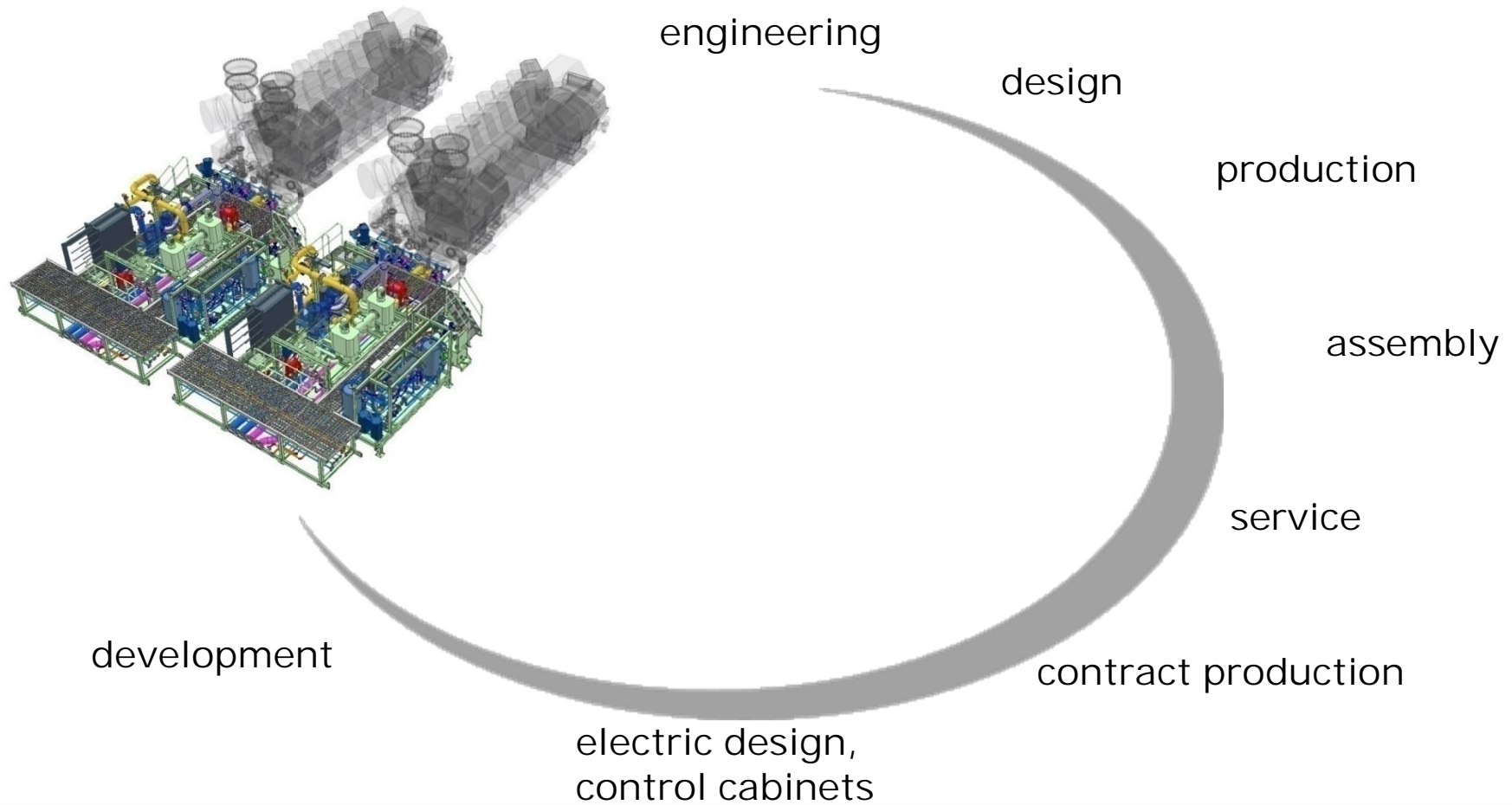
- 1997 mas GmbH was established in Wismar
- 2008 mas Kunshan (near Shanghai) was established for the Chinese market
- 2009 mas GmbH Branch Office Hamburg was opened for sales and after sales support
- 2014 re-naming of all companies in the group to GenSys
- 2014 establish GenSys Ltd. in Turkey
- 2022 25. Years Company Anniversary

Development:

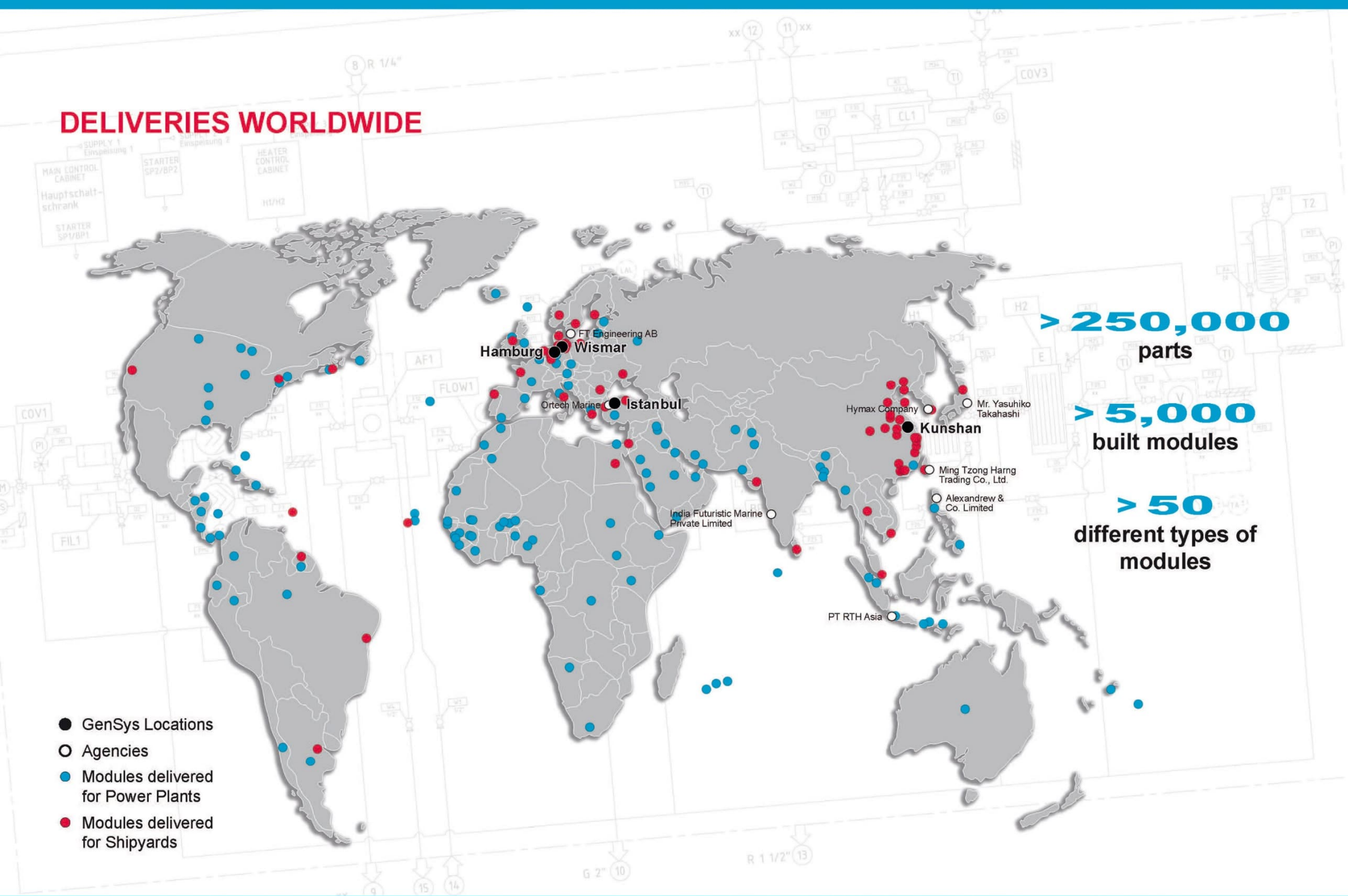
- Marine: modular system solutions for world class engine makers and shipyards
- Power plants: modular systems solutions for the world class engine makers (CAT, MAN etc.)
- Power systems: 1 – 3 MW containerized systems (incl. all special needs/layout)
- Future Fuel Modules and GVUs Solutions for Engines and Fuel Cells for Ammonia, Methanol, Green LNG, Hydrogen etc.



Treatment around engines



DELIVERIES WORLDWIDE



> 250,000
parts

> 5,000
built modules

> 50
different types of
modules

Marine Systems



- ▶ Fuel oil supply+booster modules
- ▶ Lubricating oil modules
- ▶ HT/LT cooling water modules
- ▶ Burner modules
- ▶ Dual Fuel Modules
- ▶ Leak oil tank modules
- ▶ MGO modules
- ▶ LSMGO modules
- ▶ Hydraulic control oil modules
- ▶ Urea modules



GVU Systems



- ▶ Gas Valve Units (GVU)
- ▶ GVU with horizontal cover
- ▶ GVU with vertical cover

- ▶ Customized GVU's



Dual Fuel (DF) Systems



- ▶ Ignition oil modules
- ▶ Pilot oil return modules

- ▶ Exhaust gas ventilation modules
- ▶ Engine ventilation module

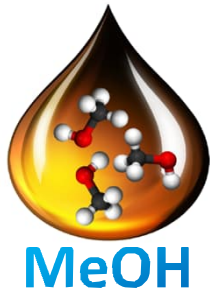
CH₄
Methane

CH₄O
Methanol

H₂
Hydrogen

NH₃
Ammonia

Modules
for Future Fuels



- ▶ Gas Valve Unit for LNG and Hydrogen for maritime 4-stroke engines
- ▶ Gas Valve Unit for maritime 4-stroke ammonia engines
- ▶ MDO/Methanol Emulsion Module (subsidized by European Regional Development Fund)
- ▶ Capsuled Ammonia Supply Module (CAPSAM) for maritime 2- and 4-stroke engine
 - Basic Design made in Project AmmoniaMot 1 by NSD (subsidized by BMWK)
- ▶ Supply Systems for synthetic fuels (eFuels)
- ▶ Process Water Module for Electrolyzer (Hydrogen)
- ▶ Heat Recovery System for Hydrogen Production

Power Plant Systems



- ▶ Pre pressure modules
- ▶ Circulating modules
- ▶ Combined lub. oil / water modules
- ▶ Tailor made modules

- ▶ Unloading pump modules
- ▶ Bio oil modules
- ▶ Transfer modules
- ▶ Gas valve units



Offshore Systems



- ▶ Crude oil / HFO, change-over modules for outside and hazardous areas
- ▶ MDO, Cooling water, lub. Oil make-up, starting air modules for safe areas
- ▶ Expansion tank for hazardous area



Container Systems



- ▶ Auxiliary container solutions
- ▶ Tailor made solutions



After Sales and Service



- ▶ Spare parts and kits
- ▶ Components
- ▶ Electric

- ▶ Prefabrications
- ▶ Installation on board
- ▶ Retrofit + conversion on board
- ▶ On board services



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Modules - Ready for future fuels