MEYER Group Presentation

February 2018







Thomas Zehmer

EMship+

MEYER TURKU – Turku (FI)

- Part of Meyer since August 2014
- Employees: ~1600





NEPTUN WERFT – Warnemünde (DE)

- Part of Meyer since 1997
- Employees: ~ 550





MEYER WERFT – Papenburg (DE)

- Founded in 1795
- Employees: ~ 3400





MEYER WERFT – Papenburg





Thomas Zehmer

MEYER WERFT: Float Out







Coming to Life: Testing & Commissioning



Testing

MEYER WERFT: Float Out





Conveyance: Harbour Locks in Papenburg





Conveyance: Railway Bridge in Weener



EMship+

Final Stage: Sea Trials & Delivery



Final Stage: Sea Trials & Delivery







EMship Thesis/Project Topics

Thomas Zehmer Febuary 14, 2018



EMship & Meyer Werft Thesis / Project Topics

1. STEAM JET REFRIGERANT PLANT on cruise ships

In this process, water is used as refrigerant. Process is well know since 1884. First prototype was build in 1910. System has biggest advantage when waste steam is available.

Suggested project:

- Investigate a pilot installation on a cruise vessel
- Basic evaluation
- Calculation of available waste steam according cruise profile
- Calculate possible unit size / supplier
- Investigate installation areas
- Define schematics
- Detail design
- Investigate requirements for installation areas
- Calculate possibility for up-scaling

Plant process arrangement









EMship & Meyer Werft Thesis / Project Topics

2. THERMOCHEMICAL HEAT ACCUMULATOR on cruise ships

The system advantage, is a storage density, of ~ 5 times more, compared to water. Approx. 300 kWh/m³. Water ~ 60 kWh/m³.

Suggested project:

- Investigate a pilot installation on a cruise vessel
- Basic evaluation
- Development of possible unit size
- Choose the best material and supplier
- Investigate possible installation areas / compartments
- Define schematics
- Detail design of system
- Investigate requirements for the installation areas
- Calculate possibility for up-scaling





EMISN





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