Oy NIT Naval Interior Team Ltd.

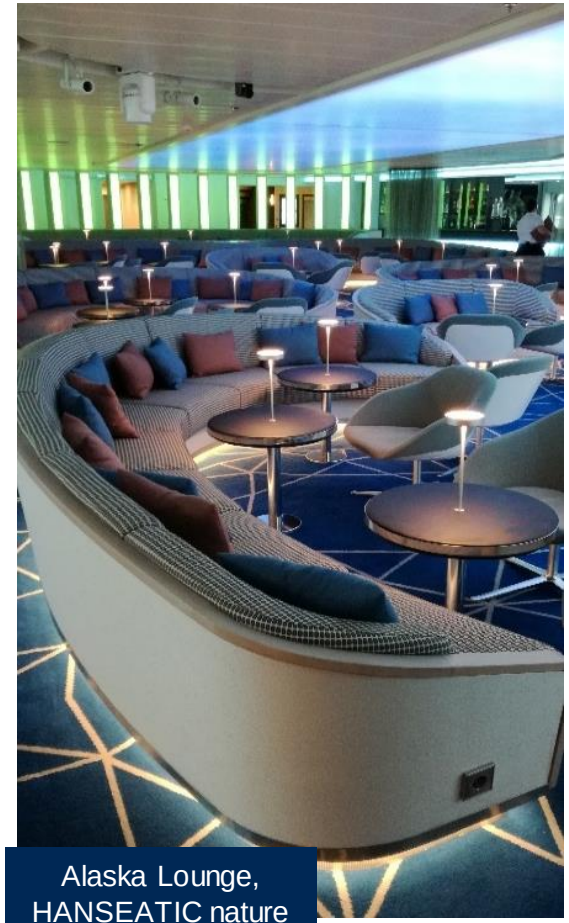
Meriteollisuuden Rahoituswebinaari

2022-12-07 Juhani Määttänen

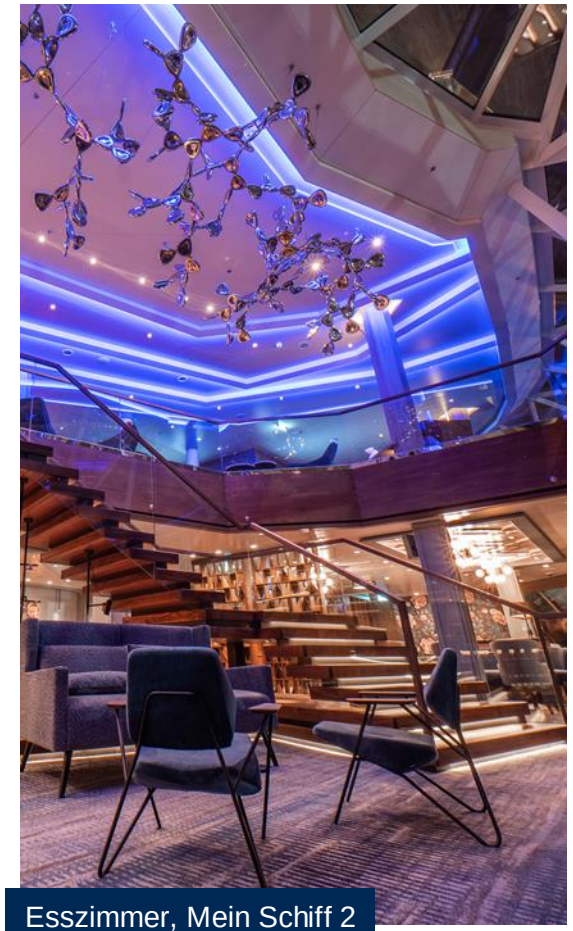
Oy NIT Naval Interior Team Ltd.

- Finnish maritime industry company
- Founded in 2000, owned by the management
- Turnkey interior design and construction deliveries for cruise ships, ferries and specialized vessels, including the background work, insulations, electrical installations, piping and HVAC
- Over 250 000m2 of great spaces delivered to international customers around the world
- 100 employees + wide network of partners
- Head office in Piikkiö, Finland. Other locations in Turku, Rauma, Wismar, Ålesund and Nagasaki
- Turnover 27M€ in 2022
- Forecasted turnover 47M€ in 2023

Some References

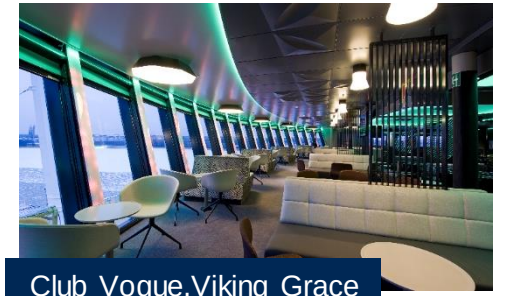


Alaska Lounge, HANSEATIC nature



Esszimmer, Mein Schiff 2

Hanami, Mein Schiff 5



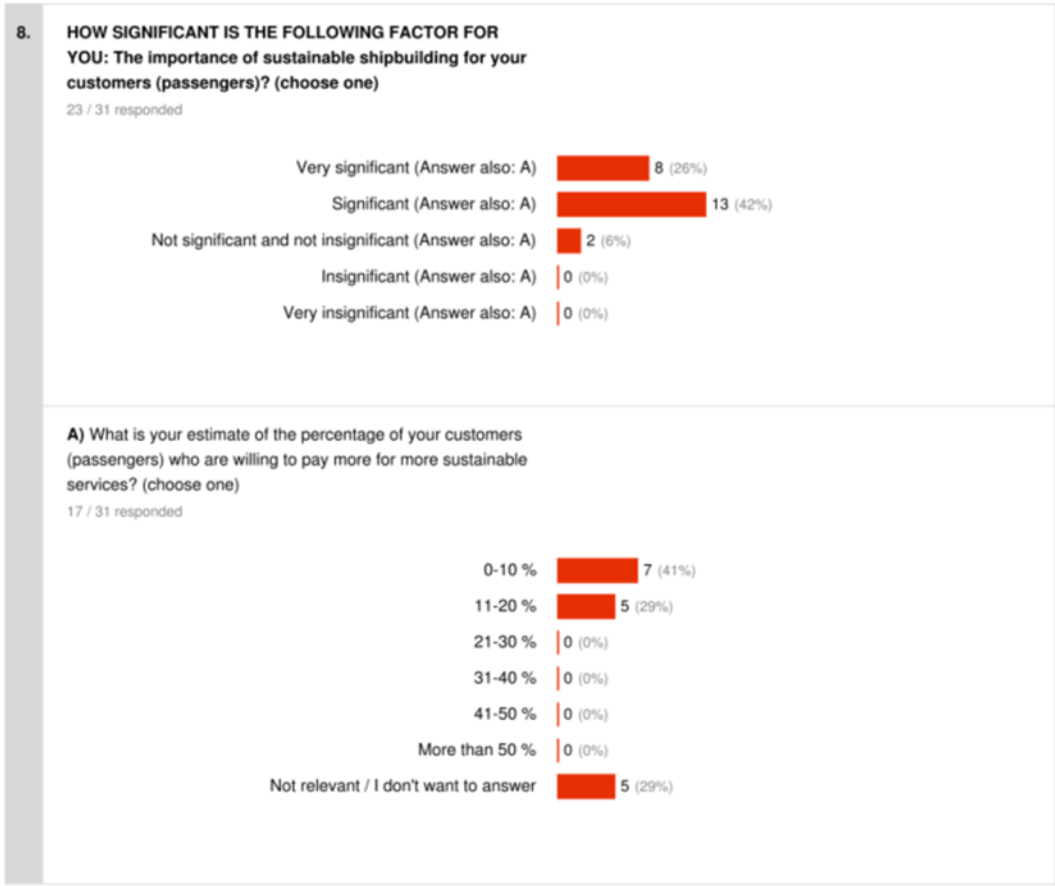
Club Vogue,Viking Grace

TUI Bar, Mein Schiff 4

Surf &Turf Steakhouse, Mein Schiff 1

Sustis I & II

- Reseach project together with University of Turku
- Funded by Business Finland 2017-2019
- Aim was to understand the significancy of sustainability in marine business.



Sustis I & II Results and Need for further development

1.“The knowing – doing gap”: Sustainability is found to be important, but sustainability is not fully incorporated in strategies and business models.

2.“The compliance – competitiveness gap”: Sustainability is seen as a possible area of competitive advantage, but it is still not complied in operations or products.

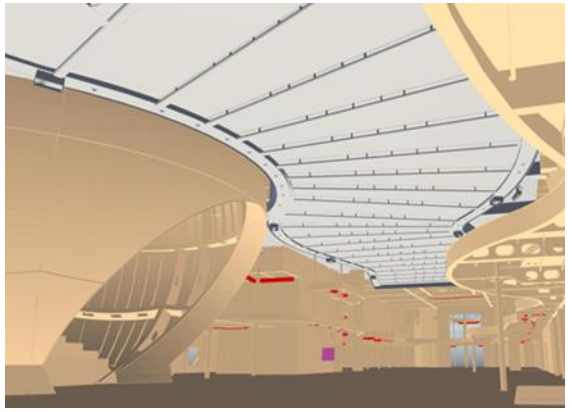
LEAN = Green = GreeNIT

SusCon 2020

- Business Finland funded co-innovation project.
- NIT is part of consortium with UTU, VTT, MT, RCCL, PW, Evac, Lautex and Paattimaakarit. NIT has its own separate project ”GreeNIT”
- Goal is to develop Sustainable Shipbuilding Concepts throughout the shipbuilding ecosystem. NIT´s goal was to develop GreeNIT business concept, implementing economic, social and environmental sustainability as part of NIT projects and daily operations
- Schedule 06/2020 – 12/2022

SusCon 2020

- Lean and sustainable design and procurement processes and novel design tools -> lean and green products
  - VR Software
  - Smart 3D Design
  - Carbon Footprint calculation tool
- Piloting developed solutions and tools
  - VR Mockups for ICON
- Comprehensive, measurable, GreeNIT Business model for more sustainable and innovative shipbuilding
  - KPI´s and controls for sustainability as part of NIT strategy and management



SusCon 2020 – Carbon Footprint

CASE: Crew Stairs

Stairs were designed in 3D and the carbon emissions were calculated with NIT Carbon Footprint Calculator.

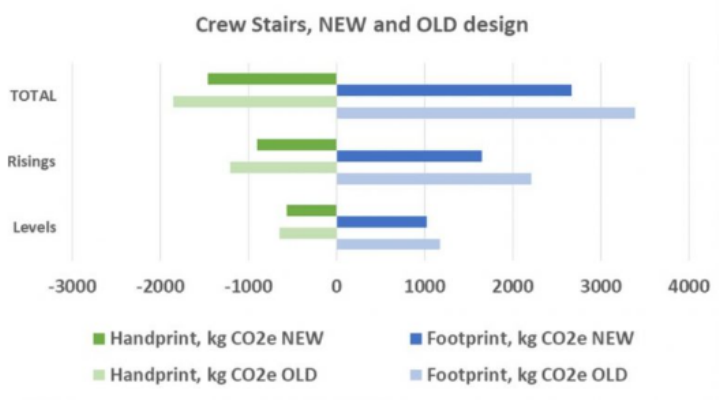
Crew Stairs old design

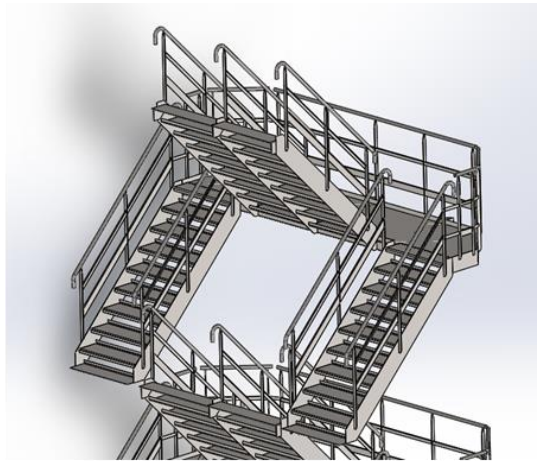
	Footprint, kg CO2e	Handprint, kg CO2e
Levels	1180	-646
Risings	2210	-1209
TOTAL	3390	-1855

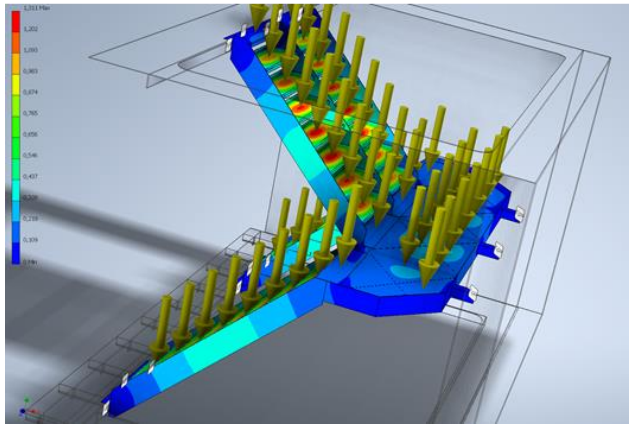
Crew Stairs new design

	Footprint, kg CO2e	Handprint, kg CO2e
Levels	1022	-559
Risings	1649	-902
TOTAL	2671	-1461

With the calculation carbon emissions were reduced by -719 kg CO2e (-21%).







Carbon Footprint Calculation Tool as a Service

- Business Finland funded (Tempo) project. Target is to make market study and market survey for commercializing carbon footprint calculation tool, understanding the market and customers, identify the need for further development and finding a customer to pilot the service.
- Totally new scalable service product for NIT
- Objectives and Targets:
  - Task 1: Market Research with interviews with selected Shipyards and Ship Owners.
  - Task 2: Market Survey to 50 – 100 potential customers.
  - Task 3: Business Plan utilizing the information of previous tasks to create a business plan of providing carbon footprint calculation as a service.

SusFlow – GreeNIT II – Carbon Neutral Cruise Ship Turnkey

- Business Finland funded development project, continuation to SusCon. Application under review by Business Finland. Part of Meyer Turku NecoLeap program.
- Same consortium as in SusCon / GreeNIT Project.
  - Research partners: University of Turku, VTT
  - Industrial partners: Meyer Turku, Evac, NIT, Paattimaakarit, Lautex
  - Supporting partners: RCG, METY, SSAB, Piikkiö Works, Semantum
- Schedule
  - Application for funding was made in 29.9.2022. Decision by end of 2022
  - 01/2023 – 12/2024
- Targets and Objectives
  - WP1 Carbon Footprint Calculation as a Service
  - WP2 Monitoring, Controlling and Validating Sustainable processes and Projects
  - WP3 Digital Tools for Sustainable Processes


THANK YOU!
NIT