



Data-driven Infection Control in Marine

Saku Haukijärvi | Terveysturvallinen meriklusteri webinaari | 19.1.2022

We are here to stay



We are a family of around **1000 Kiiltonians.**



8,4% of our personnel work in RDI.



In 2020 we had net sales of **294 M€.**



We operate close to our customers in **11** countries, with production in **4** of them (●).



1919

2028

CARBON NEUTRAL BY

2080

VISION IN

We operate in four business areas

**KiILTO
PRO**



CONSTRUCTION



**INDUSTRIAL ADHESIVES
AND FIREPROOFING**



**PROFESSIONAL
HYGIENE**

KiILTO

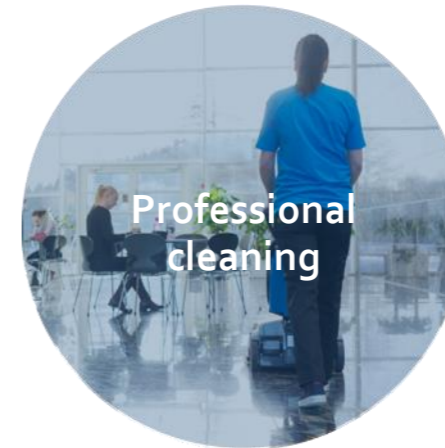
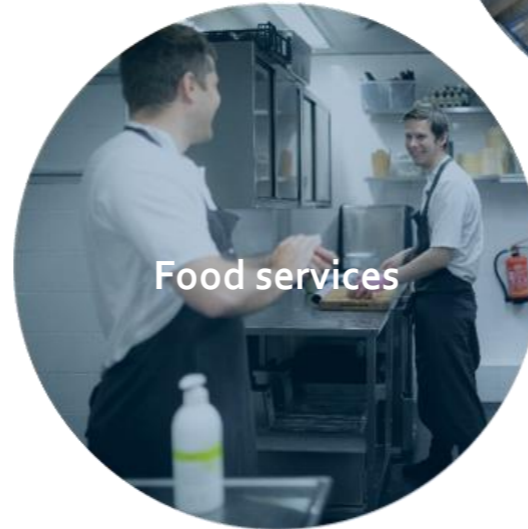


CONSUMER GOODS

Innovative and reliable partner

Our curiosity and future-driven mindset result in creating novel solutions together with our customers.

Continuous development has made us a trusted and ever-evolving partner in professional hygiene.



erisan pro



plum



Kiilto Pro Hygimon in Healthcare



Kiilto Pro Hygimon automated hand hygiene compliance monitoring (HHCM) system helps infection control teams in healthcare to collect more reliable data on staff's hand hygiene compliance and identify problem areas which need intervention while freeing valuable resources from manual observations and reporting.

IoT-based monitoring is done according to WHO guidelines while integrating seamlessly into existing infrastructure and working methods.

DATA-DRIVEN INFECTION CONTROL IN MARINE



90%
OF GERMS ARE
TRANSMITTED
VIA HANDS

ONBOARD HAND HYGIENE IS A RISK.

INFECTION OUTBREAKS ARE A MAJOR RISK.





Handwashing mandatory before entering dining areas – tied-up crew members monitoring



Areas lack structurally implemented hand sanitation systems and have no means to monitor crew member compliance



Primitive sanitizer and soap dispensers with low volume soap containers creates a bacterial hazard



Crew down time area out of sight – behavioral mismatch to protocols

Preventive measures for improved hand hygiene is not part of the ship design





HOW TO AVOID IT

- Collecting hand hygiene specific data
- Understand the specific dispenser's utilization
- Stop guessing your compliance rate regarding health protocols
- Follow user groups and crew members – act on cultural behavior
- Data for preventive continuous improvement
- Plan in advance – take actions already in the design phase



DATA-DRIVEN INFECTION CONTROL



Developed by
professional
hygiene experts
and cruise ship
developers

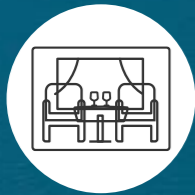




POOL AREA



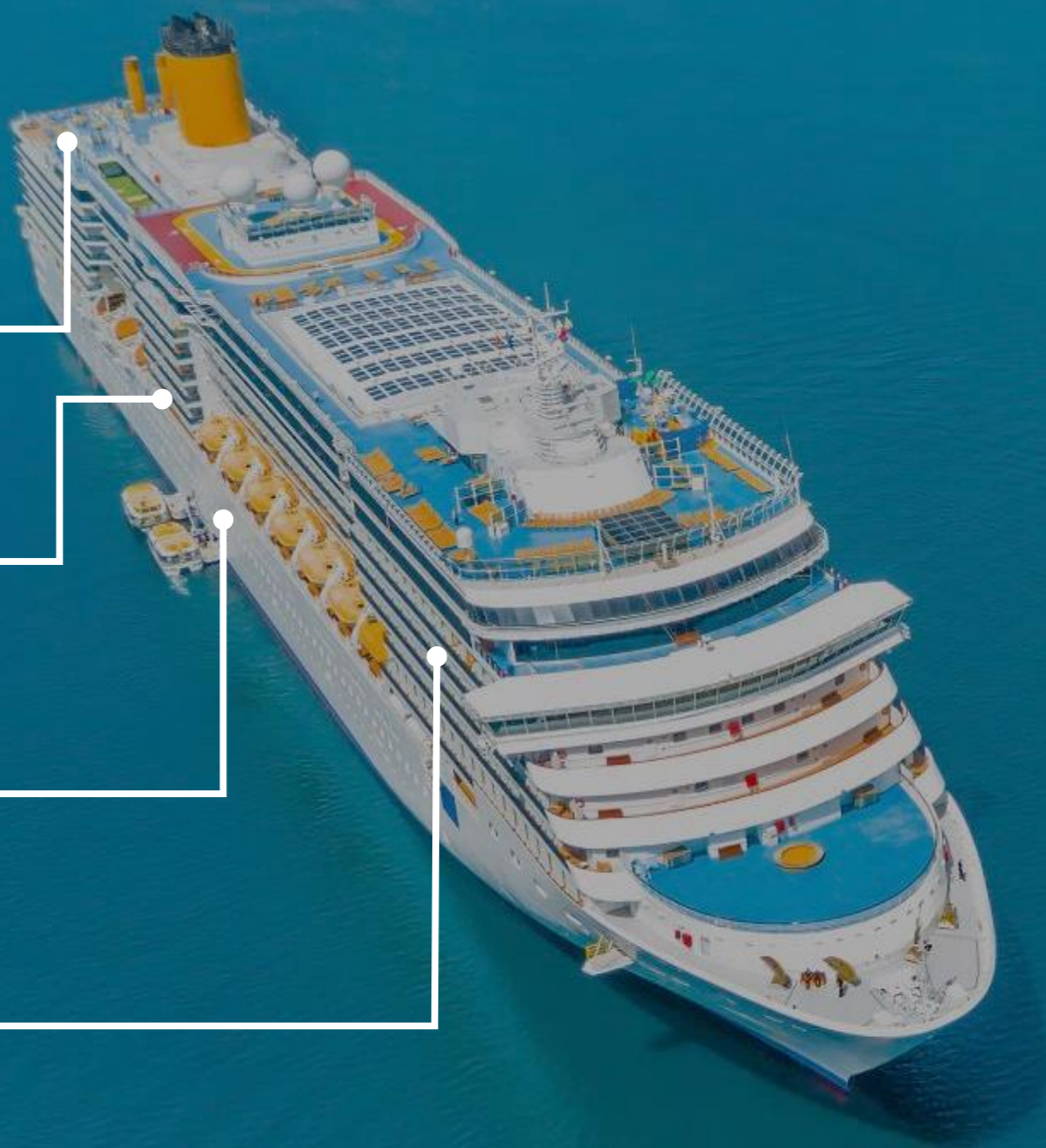
CASINO



DINING



STATEROOMS



MONITOR AND MANAGE AREAS AND USER GROUPS

Data-driven infection control in practice

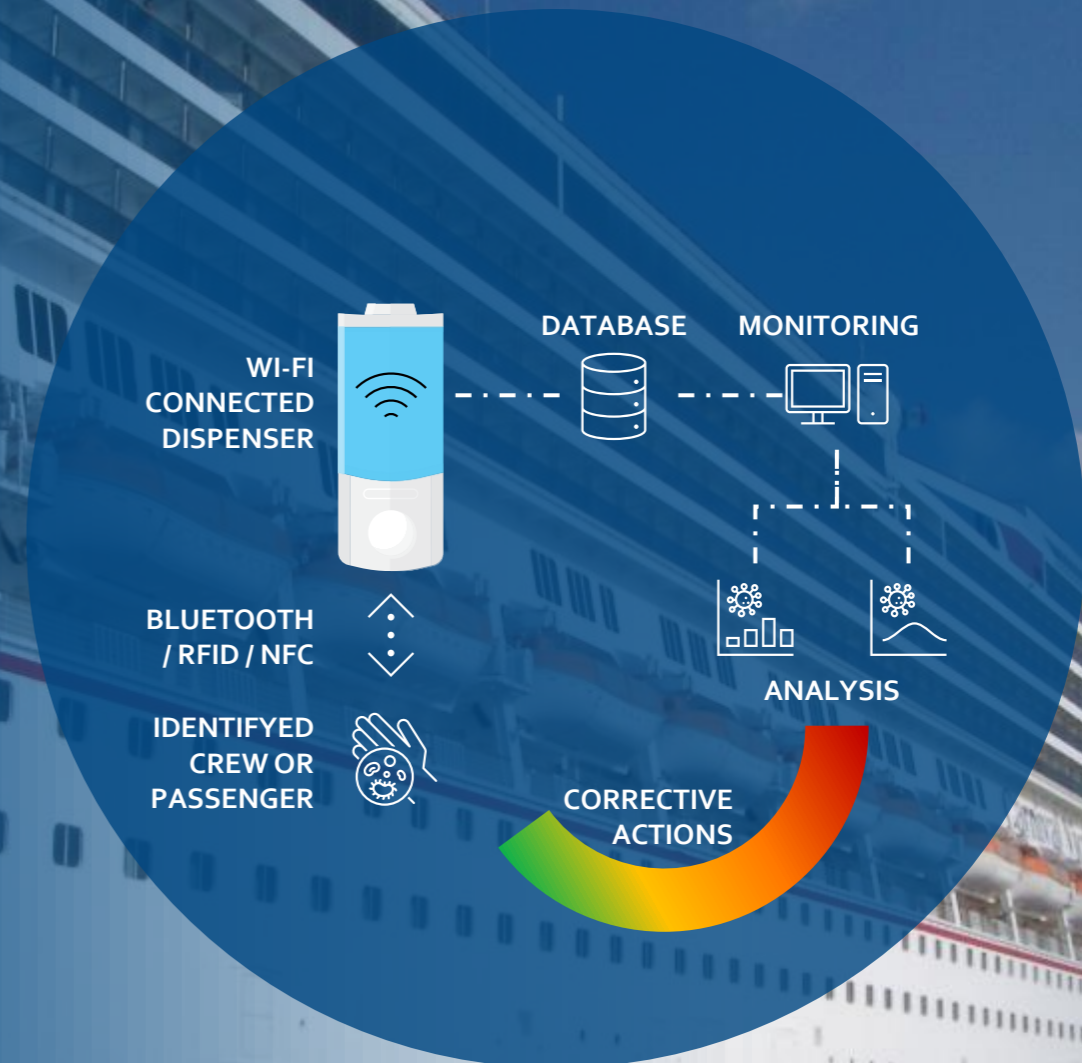
RFID or Bluetooth sensor collected user data (Key cards)

Internal sensor system monitors dispenser container

Wi-Fi connected for structural data collection

Easy to retrofit – works with any dispenser design

We help you to utilize data for continuous improvement



ENSURE OVERALL COMPLIANCE IS ADEQUATE FOR SIGNIFICANTLY REDUCING RISK OF GASTRO INFECTIOUS DISEASES



Reduce queues and reliance on manual monitoring, tying up crew members



Record compliance of crew members and passengers in accordance with critical hand hygiene opportunities



Implement wi-fi connected portable hand sanitization centrals and optimize positioning based on utilization data



Follow crew member compliance and improve hand hygiene routines proactively



Receive friendly reminders of use, in critical moments of compliance

DATA-DRIVEN INFECTION CONTROL – CREATING VALUE ACROSS THE BOARD



Follow fleet compliance and improve hand hygiene routines proactively

Manage infection related financial risks and institutional relations

Increase compliance rates, crew and passenger safety

Utilize data for continuous improvement and improved ship designs

Lead with data to foster a culture of highest hygiene standards

Ensure fleet compliance is adequate for managing social bubbles during itineraries



**BECAUSE
PREVENTION IS
CHEAPER THAN
REACTION**



KIITOS!

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