

# Kapacitet: Highlighting Sustainability Initiatives for an R&D Engineering Consultancy



**WPI**



**Kapacitet**

Abigail Clemence, Lili Loughlin, Cameron Shelley, & Emily Sollecito

# Meet Our Team



**Emily Sollecito**

**Chemical and  
Mechanical Eng**



**Cameron Shelley**

**Mechanical Eng**



**Abigail Clemence**

**Mechanical Eng**



**Lili Loughlin**

**Robotics Eng**

# Overview

- 1 Our Project Partner, Kapacitet
- 2 Mission
- 3 Results & Key Findings
- 4 Wall of Sustainability
- 5 Conclusions & Recommendations



## Our Project Partner



**Engineering.  
Built on theory,  
fueled by practice.**

# Lack of Sustainable Standards in R&D

**Designit**  
a wipro company

**DANSK  
TEKNOLOGI** 

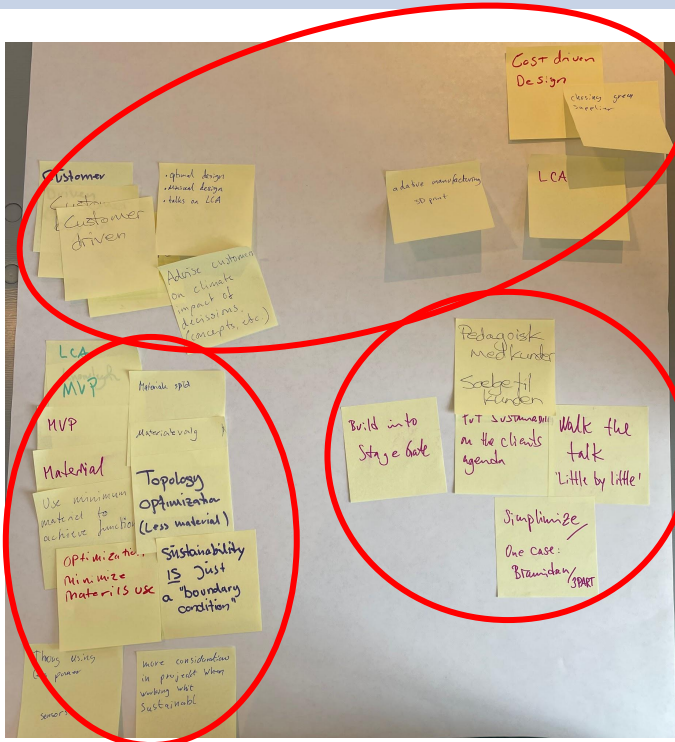
Viegand  
Maagøe

**Technolution<sup>tn</sup>** | People driving  
innovation



thinkstep  
a  sphera<sup>™</sup> company

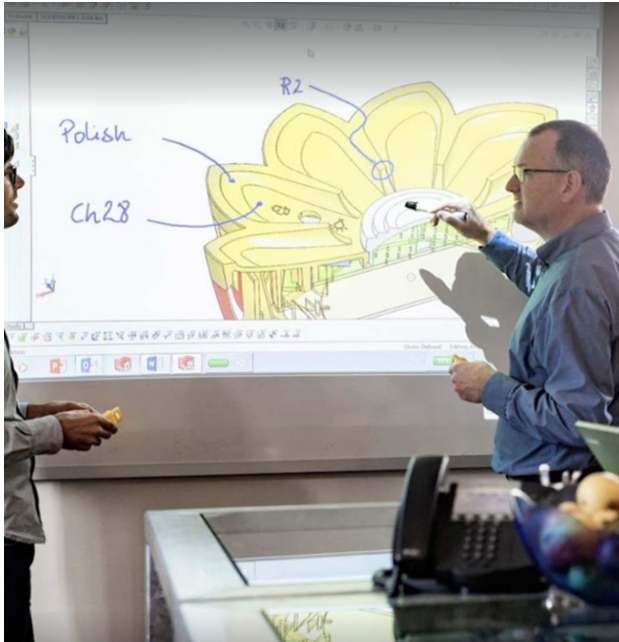
# First Workshop Provided Insight



## Common Themes

- Prioritizing customers and cost
- Moving "little by little"
- Minimum Viable Product approach

# What is the “Minimum Viable Product”?



- Makes the design as simple as possible
  - Inherently sustainable
- “Cuts the product to the bone”

# Employees Interviews Provided Perspective

Variety of  
positions &  
backgrounds





# A Method to a Mindset



Co-Founder & Chairman,  
Jens Peter Bredholt



**MVP**



**Minimum Viable  
Solutions**

# Discussion Showed Buy-In

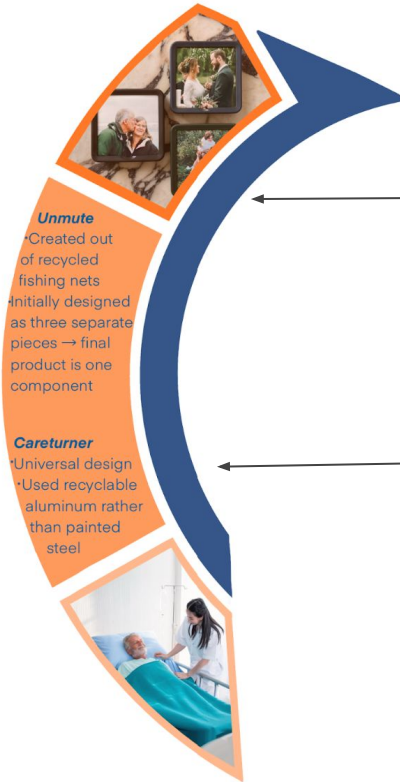


# Physical Wall of Sustainability



QR Code linking to our interview with  
**Jens Peter Bredholt**

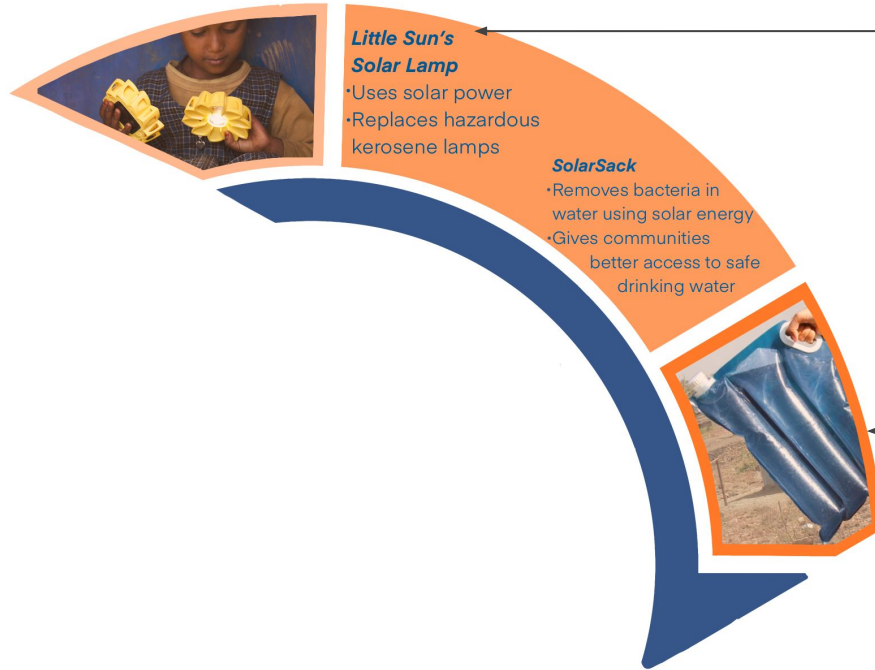
# Developmental Sustainability



**UNMUTE** 



# Human Health Sustainability



Little Sun



# Environmental Sustainability



QR Code linking to **Hydro Hull Cleaning Video**

**Hydro Hull Cleaning**

- Preserves ecosystem by limiting cross-contamination
- Reduces fuel consumption by increasing the hull's hydrodynamics
- Fully electrical hull cleaning ROV and surface setup
- Replaces live divers as shown on left

The graphic element is a curved shape with a blue and orange border. It contains two inset images: one of a diver in a dark environment and another of a yellow ROV. A small QR code is also present within the diver image inset.

# Developmental



# Human Health

# Environmental

# Conclusions & Recommendations

1. Make sustainability a part of the client's agenda
2. Advertise simulations
3. Visualize material choices





# Adding a Digital Aspect to the Wall of Sustainability



What we do

Who we are

News

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# Adding a Digital Aspect to the Wall of Sustainability



What we do

Who we are

Sustainability

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Get in touch

# Thank you!

# QUESTIONS?

You can find us at  
[@gr-D23-KapacitetTeam](#)

