

Submarine Seminar 2021

Business Area status

Lars Tossman

Walrus Replacement Program

Saab Damen team

Hein van Ameijden

Saab Australia

Andy Keough

Closing remarks

Lars Tossman

Business Area status

Lars Tossman

Head of Saab Business Area Kockums



Above
surface



Enhanced
capabilities



New
vessels



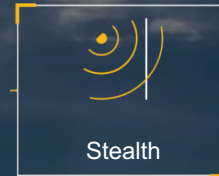
Below
surface



Competences and capabilities



Design and construction



Stealth



World-class shipyard



New ships and enhanced capabilities



Shock-resistant



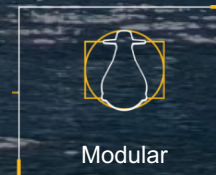
Combat boats and Patrol crafts



Systems-of-systems



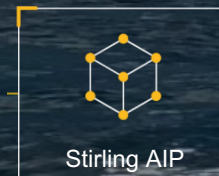
New generation submarines and enhanced capabilities



Modular



Through-life support



Stirling AIP

The anatomy of a modern submarine



5 SUPER SECTIONS

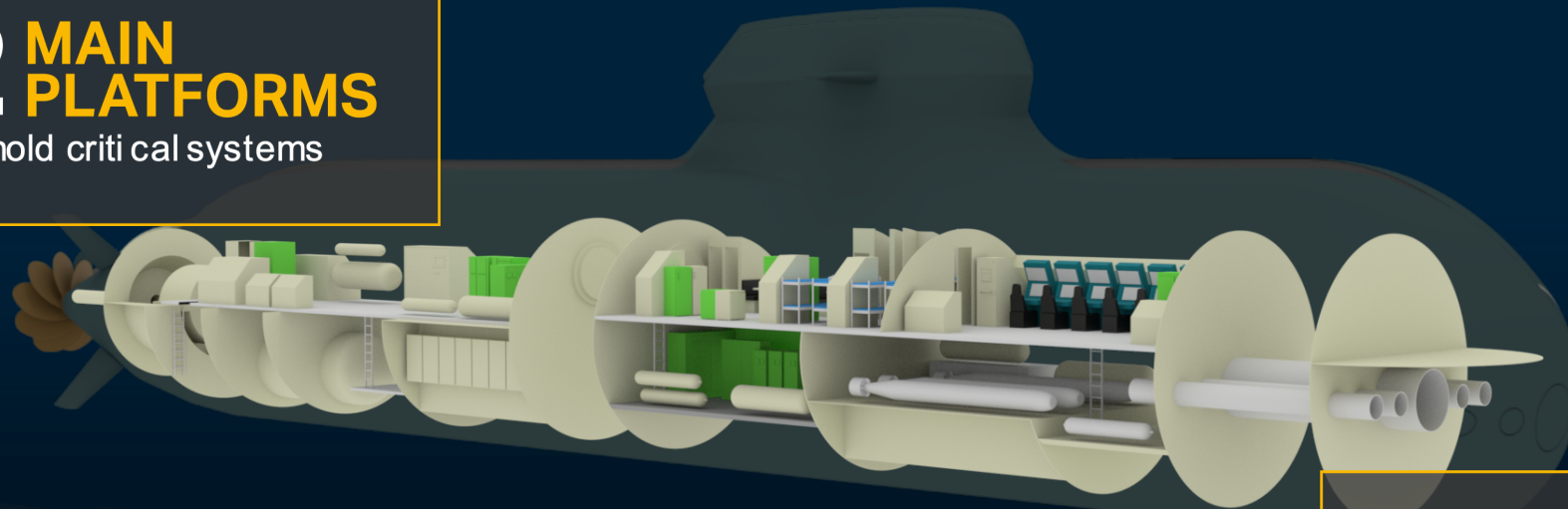
For swift handling
in production

**900
TONNES**

High-grade
Swedish steel

The anatomy of a modern submarine

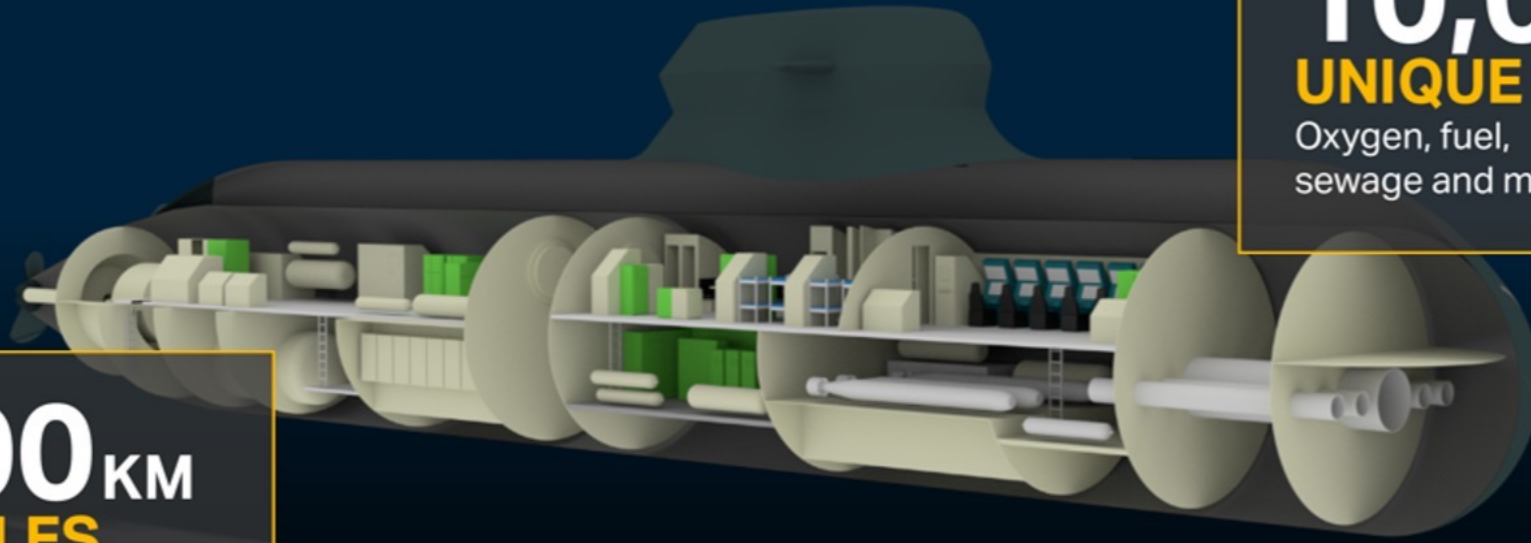
2 MAIN PLATFORMS
To hold critical systems



140 SYSTEMS

For survival, performance and combat

The anatomy of a modern submarine



10,000
UNIQUE PIPES

Oxygen, fuel,
sewage and more

100 KM
CABLES

Communication,
command and power

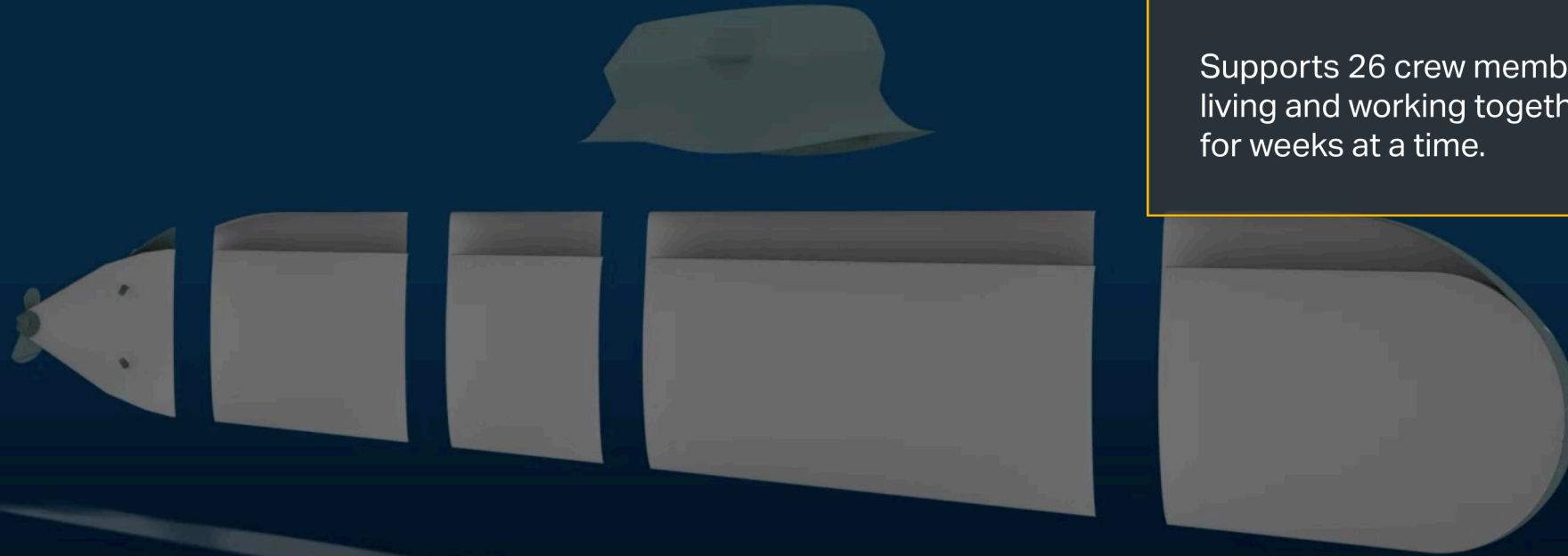
The anatomy of a modern submarine



400,000
COMPONENTS

Not to mention the nuts and bolts

The anatomy of a modern submarine



Supports 26 crew members,
living and working together
for weeks at a time.





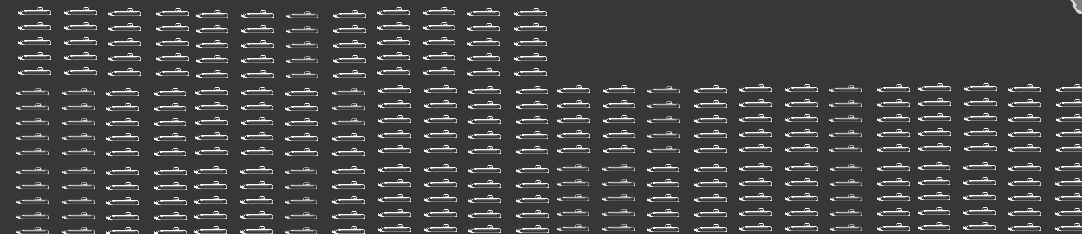




Conventional Submarines Worldwide

300 submarines

- 1000 tonnes - 4000 tonnes
- 2/3 built before the year 2000



Lars Tossman

Head of Saab Business Area Kockums



SAAB

Statement on Damen

Hein van Ameijden

Managing Director of Damen Naval

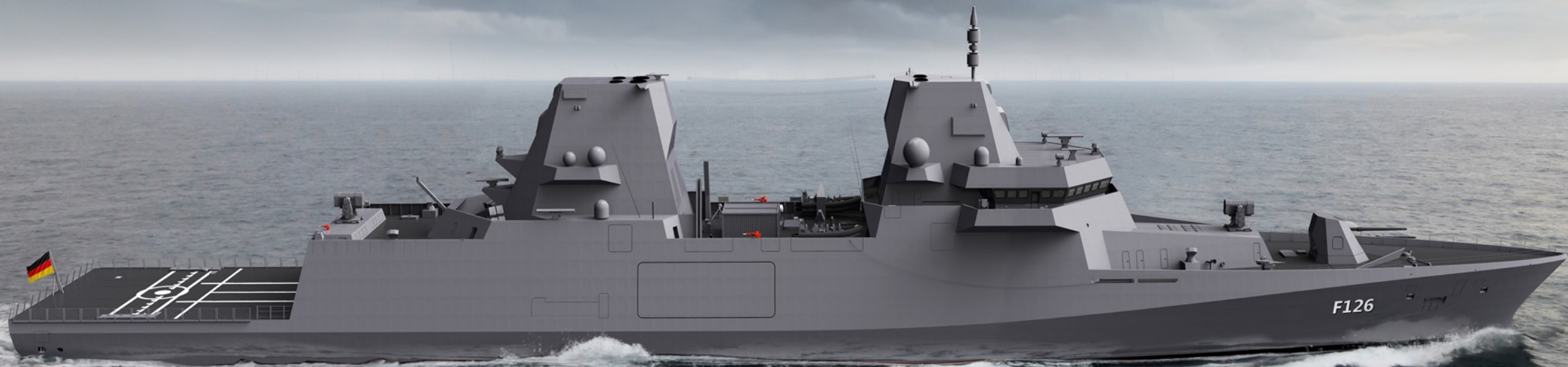




NUYINA

WINCH ONLY

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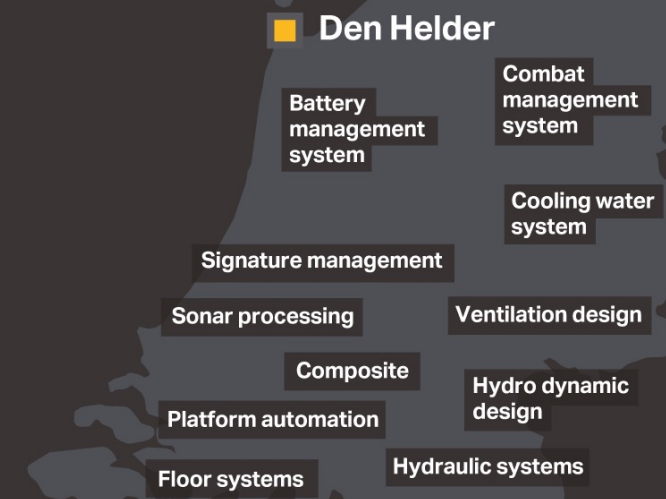


Walrus Replacement Program

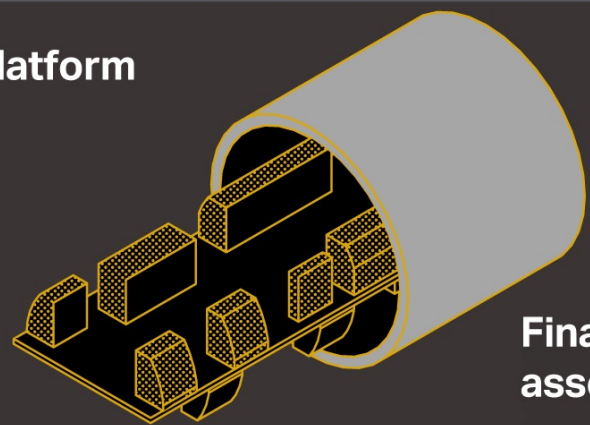
Saab Damen Team

Netherlands

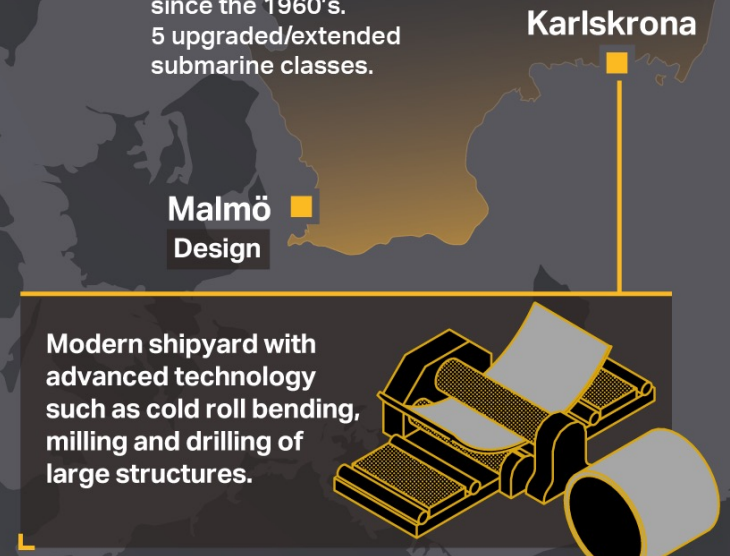
Naval Industry involvement



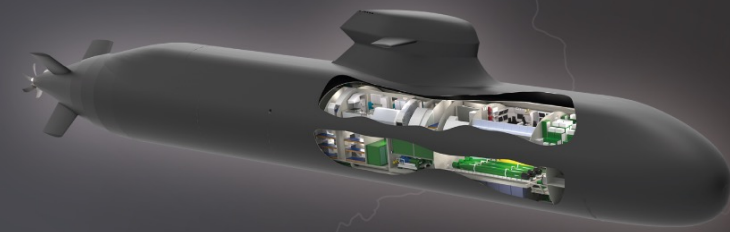
Platform



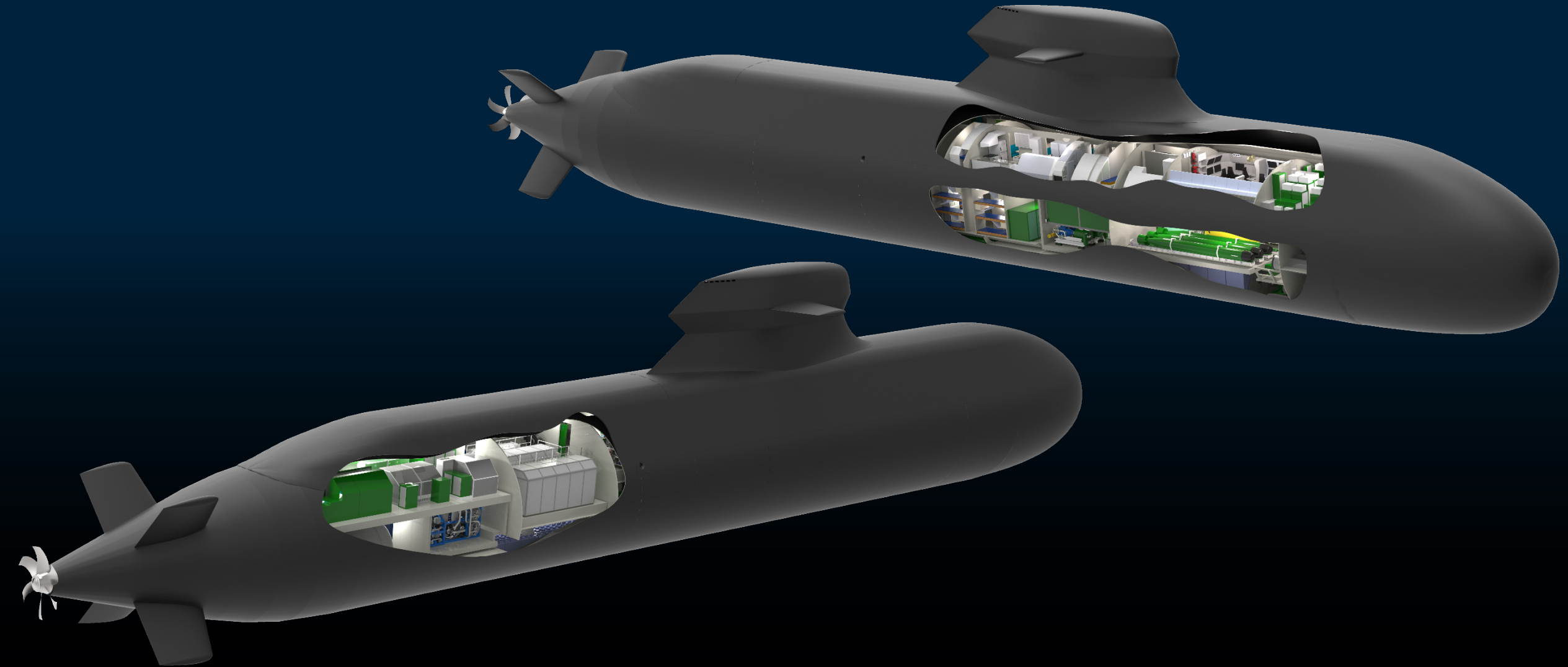
Over 70 submarines built.
6 new submarine designs since the 1960's.
5 upgraded/extended submarine classes.



Alignment of identical triple helixes



The Expeditionary Submarine



Walrus Replacement Programme



2015

2015

2019

2020

Saab Damen join forces

Parliament short-listing
December 2019

Dialogue
October 2020 –

Saab Australia

Andy Keough

Managing Director Saab Australia



SAAB

Questions and answers