



Israeli Navy

Operational FiFi on board Israeli navy ships





**“You can’t start a
fire without a spark”**

Bruce Springsteen



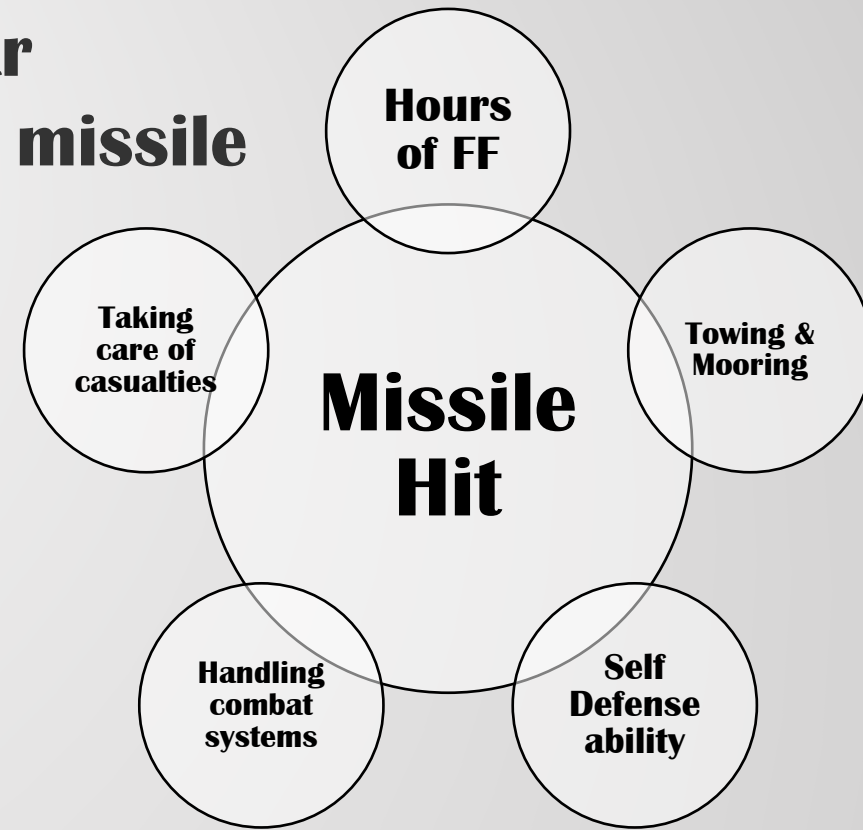
During 2006 Lebanon war INS Hanit was hit by C802/Noor missile

Four Casualties

Severe damage

Continues Fifi efforts

Freeze effect



DC challenges on board the Israeli Surface fleet

Mandatory Service – 32 Months

Volunteering service – Rotating every 2 years

Multitasking – No unique FF role

24/7 team on board – Daily life on Shore

Multiple & Crowded Systems

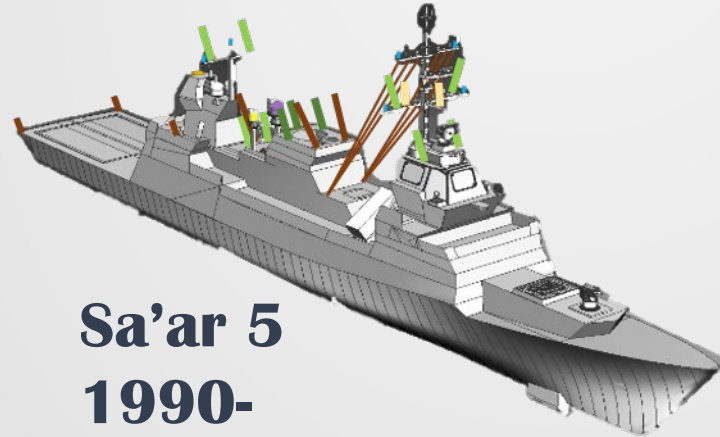


Fire extinguishing systems Evolution in IN fleet



**Sa'ar 4
1970-**

- **Spectronix – not assimilated in IMCS**
- **Halon Gas - machinery rooms and mast**
- **Manual pipes/lfx**



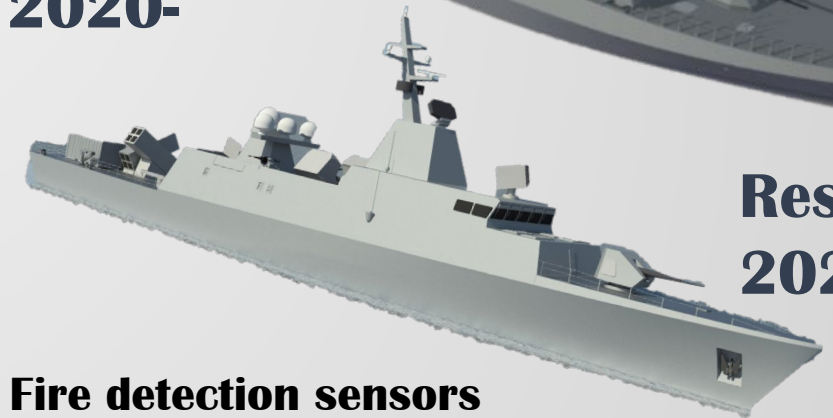
**Sa'ar 5
1990-**

- **Fire detection sensors**
- **Halon Gas – Machinery + EER**
- **AFFF – Machinery & landing deck**
- **FM sprinklers - Ammo**



**Sa'ar 6
2020-**

- **Fire detection sensors**
- **Novec**
- **Watermist – accommodation included**
- **FM sprinklers - Ammo**
- **AFFF – landing deck**
- **A-60 floor**



**Reshef
2027-**

**Manual
activation**

**Fully
automated**

**Our
Goal**



Fire/Flooding Doctrine

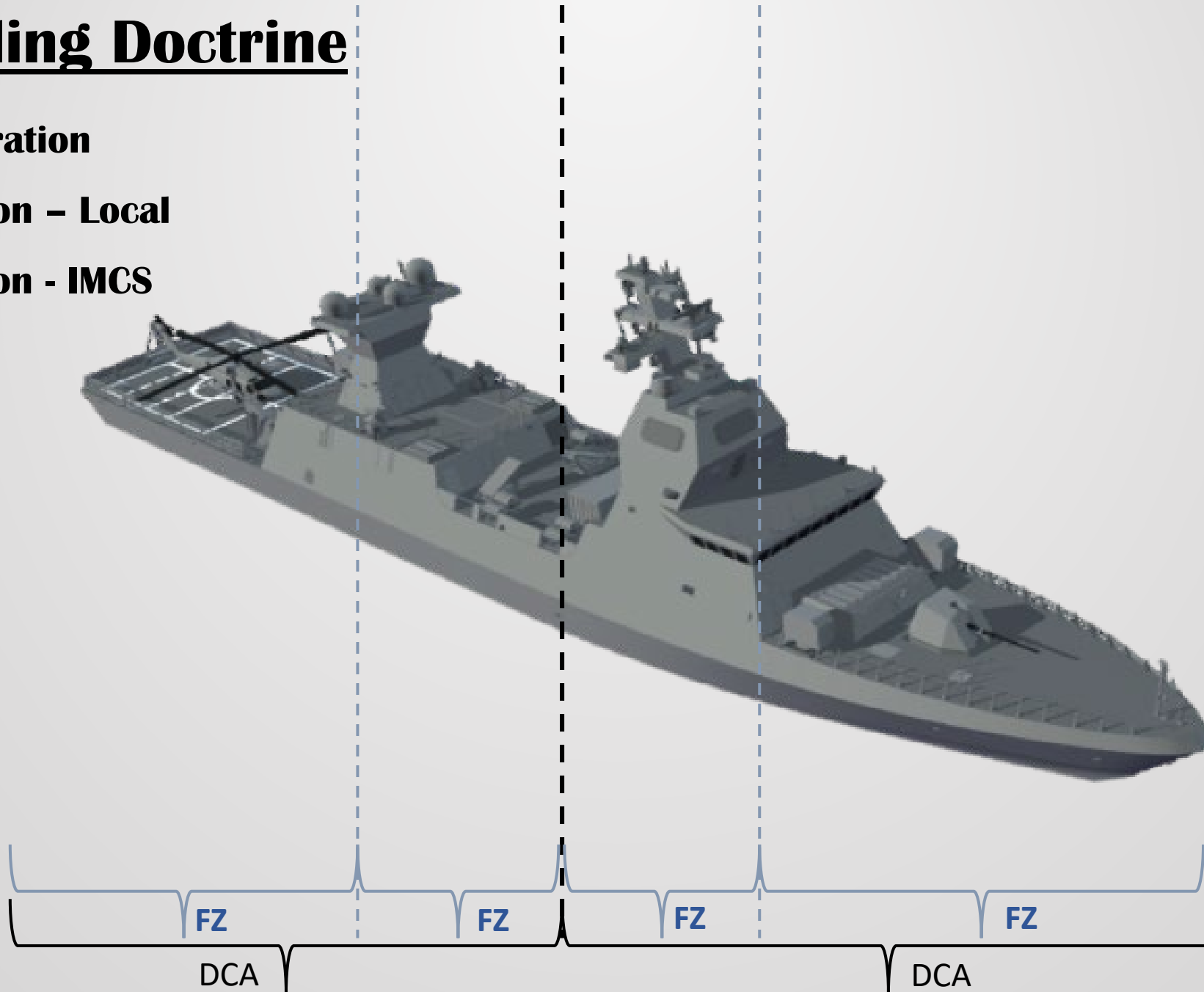
Automated operation

Manual operation – Local

Manual operation - IMCS

Priority

Abort



Fire Fighting Doctrine – IN Corvettes

Fire – First response → Crucial stage

Shore (4 Rotating DC teams)

Local sealing ASAP

Controlled fire extinguishing actions - closing all systems and A/C, power cut-off

FF and equipment arrangement

Wounded personnel evacuation

Challenge – Short-term certification teams

Sea (2 Permanent DC teams)

Zone sealing ASAP

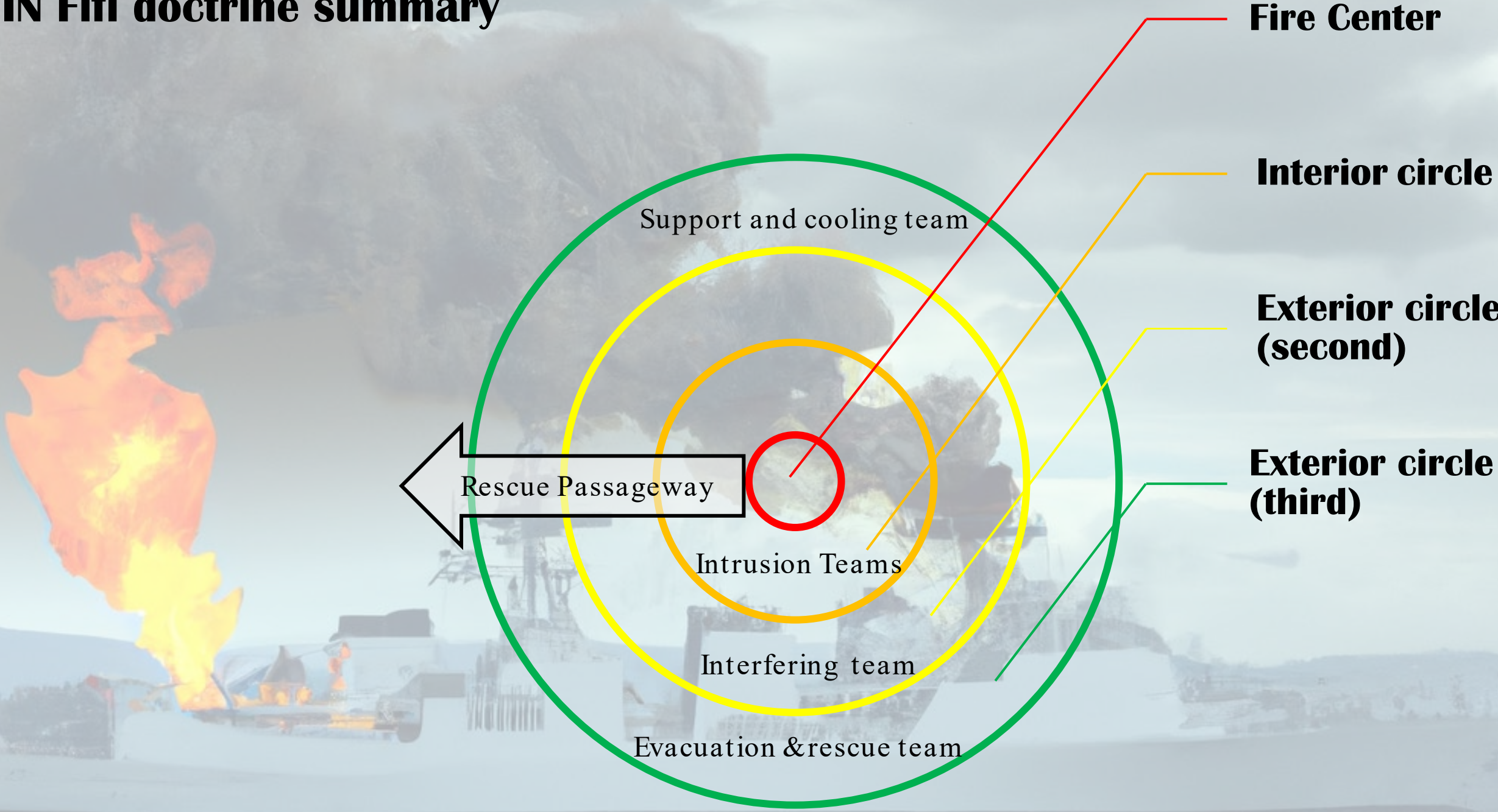
Controlled Fire extinguished actions - Keeping combat systems and maneuvering ability

FF and equipment arrangement

Wounded personnel evacuation, First aid/field-conditioned surgery

Challenge – Dealing both with fire and mission

IN Fifi doctrine summary





Port & Sea training is not enough!

“Freeze effect”

Short course and qualification

Danger



Advantages of Collaborative DC training with Israeli Fire & Rescue Authority



Best facility training – Fire & Flooding

Coping with real fire

**Study cases: Backdraft, Flashover, chimney effect,
smoke management**



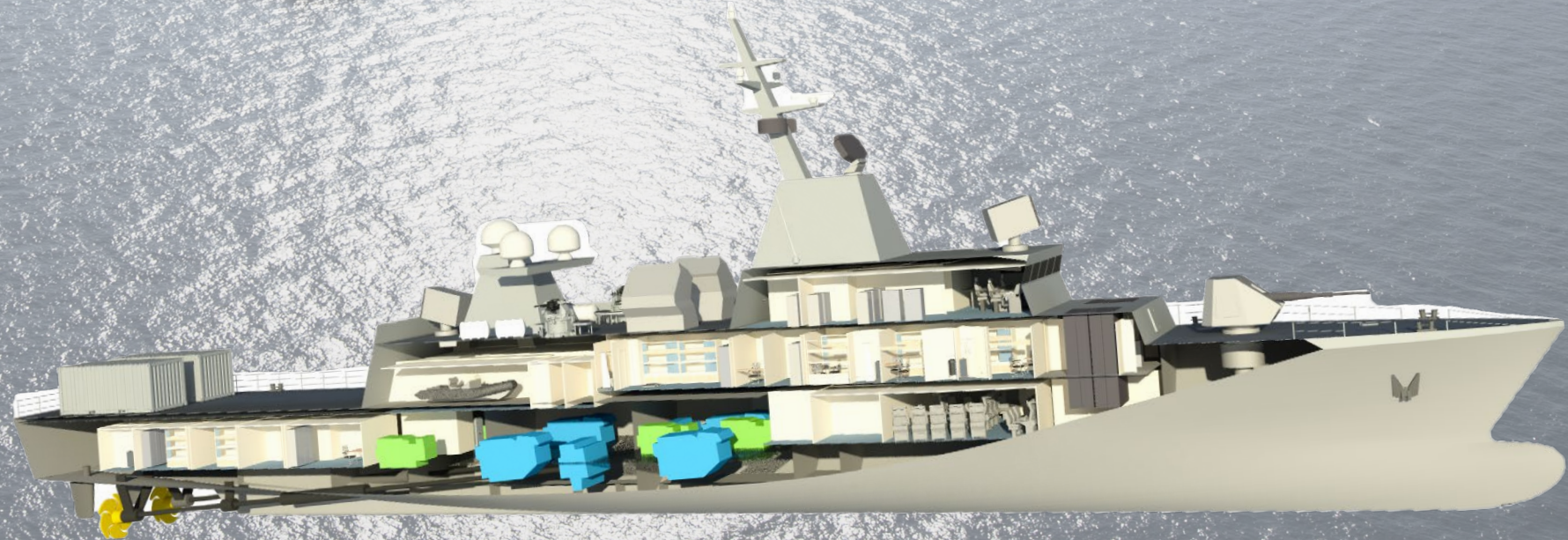
**Qualifies Professional IN Fire Fighters for
Better understanding of Maritime DC**

Looking forward

New DC Trainer – flood & fire

Increasing collaboration with israel's Fire & Rescue authority

Implementing new & further automated Fifi systems in new Surface Fleet





Thank You!

