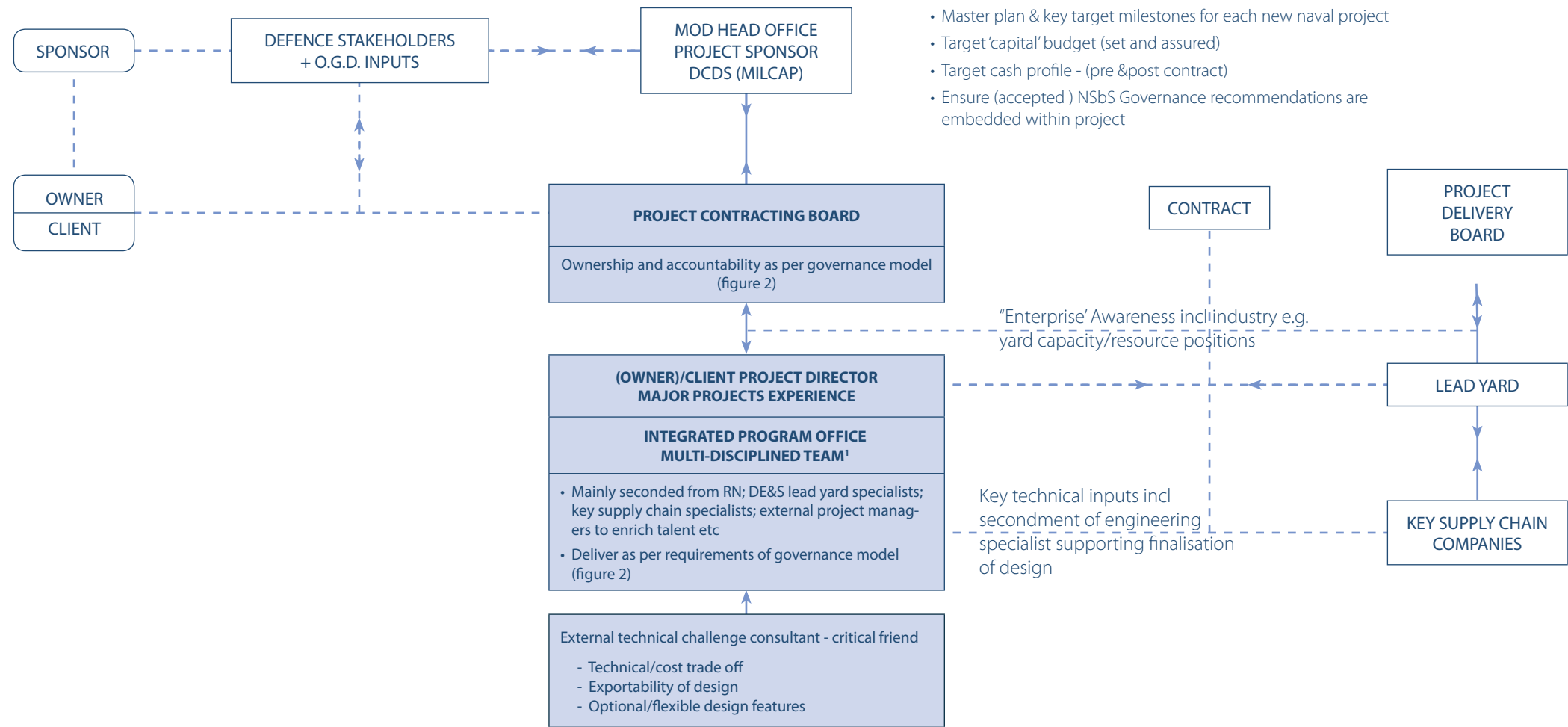
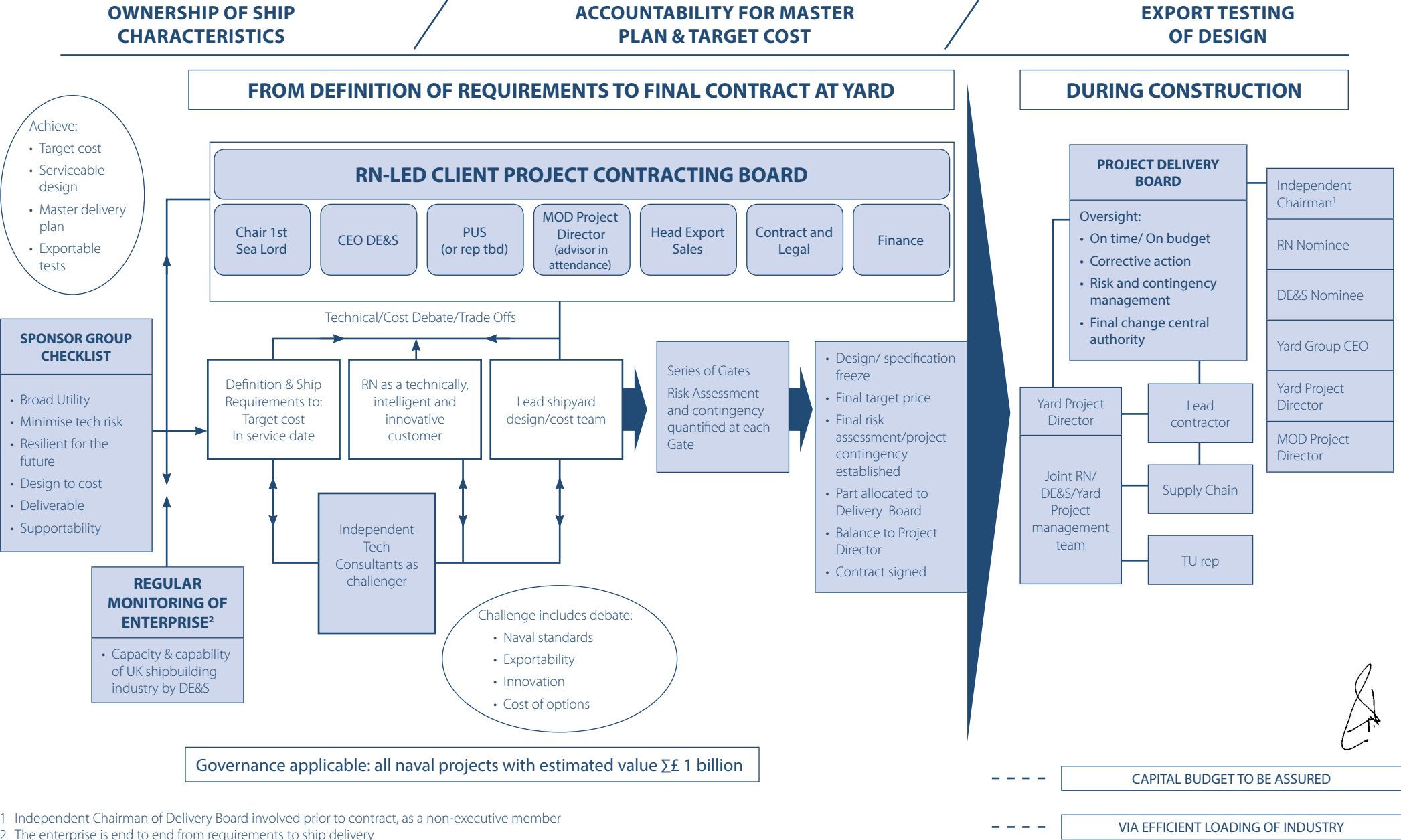


FIGURE 1 - OVERVIEW OF SPONSOR & (OWNER) CLIENT GOVERNANCE SHIP PROJECT DELIVERY SYSTEM



1 Supported as required by external project mgt/risk professionals from marine, offshore & other industries

FIGURE 2: PATHFINDER GOVERNANCE MODEL



1 Independent Chairman of Delivery Board involved prior to contract, as a non-executive member
2 The enterprise is end to end from requirements to ship delivery

FIGURE 3 - GENERAL PURPOSE FRIGATE INNOVATIVE EXPORT-FOCUSED DESIGN TO SATISFY RN REQUIREMENTS AND EXPORT MARKET

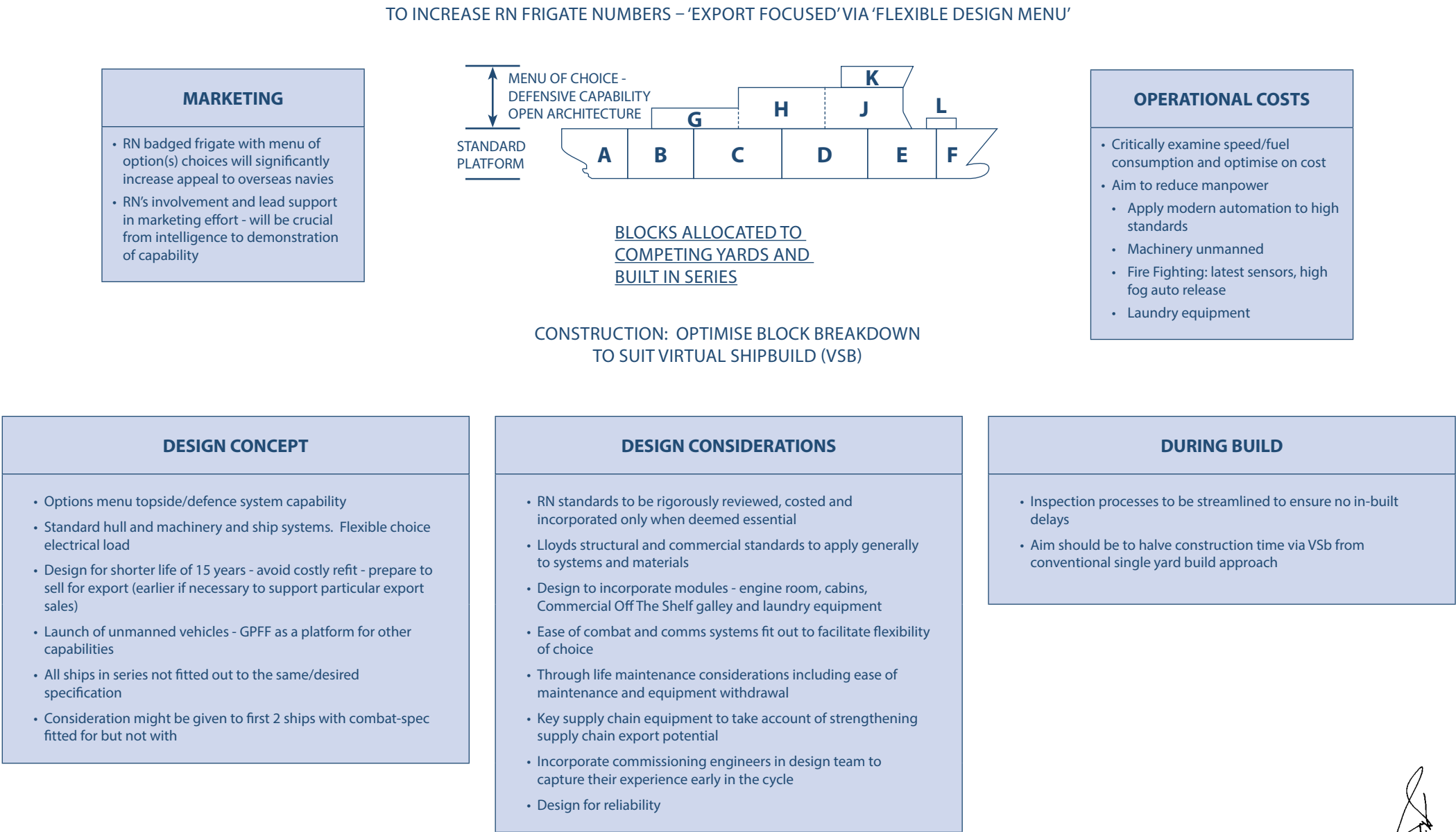
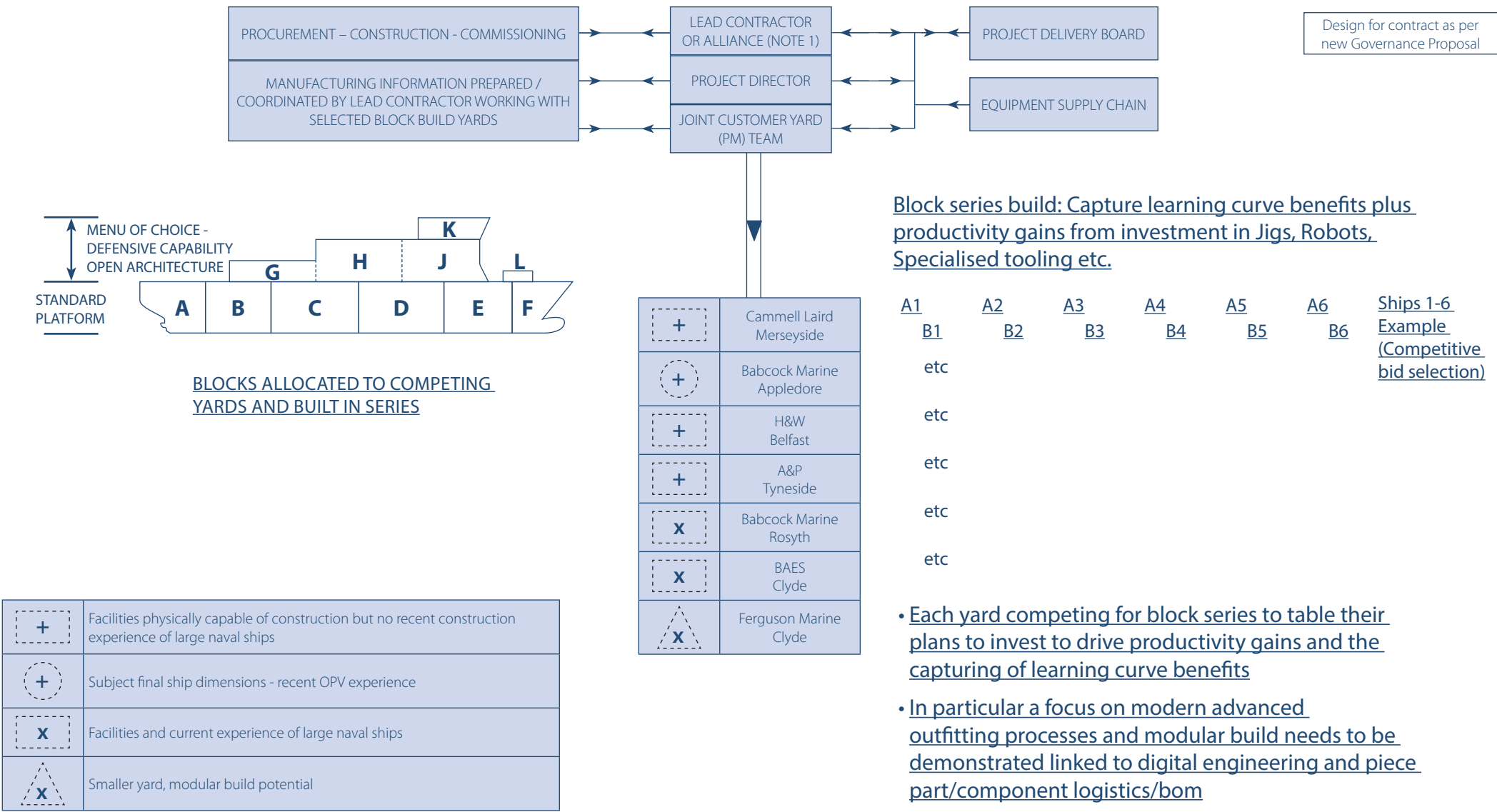


FIGURE 4 - A VIRTUAL SHIP BUILDING (VSb) INDUSTRIAL STRATEGY TO BUILD A GENERAL PURPOSE FRIGATE COMPETITIVELY WITH REDUCED CYCLE TIME



1 Companies with sufficient financial industrial capacity and capability to construct and to enter into the key sub-contracts

FIGURE 5 - EXPORT DRIVE

- Global scale of Naval ship (Offshore Patrol Vessels, Corvettes and Frigates) offers significant opportunities. Planned new ships worldwide ¹:

Vessels	OPV	Corvette	Frigate	Total
In service	777	259	469	1505
On order	135	40	69	244
Being planned	276	67	158	501

- UK export effort should be nationally coordinated via Government and via Government to Government trade deals
- Support from RN contacts, other Navies and input from Naval Attaches and UK embassies
- Export value success will take many forms:

Examples	Sale of design & manufacturing information & project management & procurement from the supply chain	Sale of training & support	UK build	Build 1st ship in UK, then overseas support	Sell from RN order book	Sell from Fleet mid-life	Sell from Fleet at design life
OPV	✓	✓	✓	✓	✓	✓	✓
Type 31e	✓	✓	✓	✓	✓	✓	✓
Type 26	✓	✓	✓	✓	-	-	✓
Each has variable value to the UK							

¹ Source: UK Defence Solutions Centre 2016