

COMBAT SYSTEM CENTRIC

Lumut Naval Shipyard



INTRODUCTION

The Combat System Centric (CSC) Department was established to advance national self-reliance in :

Integration

Verification

Lifecycle Sustainment of Modern
Naval Combat Systems

OBJECTIVES



Deliver integrated and mission ready combat systems



Assure compliance with international defence standards



Continuously strengthen capability and competency



Build trusted partnerships with customers and partners

CORE FUNCTIONS & SERVICES



Combat Management System (CMS) & Surveillance Systems



Integrated Navigation Systems



Integrated Communication Systems



Gun and Launching Systems

TECHNICAL EXPERTISE

KEY AREAS OF CAPABILITY AND DEVELOPMENT:

- CMS Integration and Operational Validation
- Radar, Sonar, RESM and Fire Control System Integration
- Platform and Combat System Interfacing
- Tactical Network and Data Integration
- Engineering Risk Assessment and Mitigation
- Maintenance and In Service Support
- Advanced Troubleshooting and System Performance Evaluation

FACILITIES & TECHNICAL RESOURCES



SHORE INTEGRATION FACILITY (SIF)

CSC is supported by the Shore Integration Facility (SIF), a one-of-a-kind technology in Malaysia, available exclusively at LUNAS that includes:

11 CMS
Multi-Function
Console Operational
Setup



CMS Software and
Hardware Testing and
Validation Platform



Real Sensor and
Simulator Interface
Capability



Training and System
Familiarisation
Environment
(Operator and
Maintenance)



TEST AND SUPPORT EQUIPMENT



Certified test
and calibration
equipment



Sensor and
weapon
instruments (static
and dynamic)
alignment



Cable testing
capability for
VSWR, fibre optic,
Cat 6 & Cat 7 and
multicore cables

These facilities support controlled system verification, reduce integration risks and improve overall project assurance.

LUMUT NAVAL SHIPYARD



LUNAS CORPORATE OFFICE

Level 33,
MOF Inc Tower, 9 Persiaran KLCC,
50088 Kuala Lumpur

LUMUT NAVAL SHIPYARD

Naval Base,
32100 Lumut,
Perak

LUNAS LANGKAWI SHIPYARD

Bukit Malut, Mukim Kedawang,
07000 Langkawi,
Kedah

Let's Connect!

