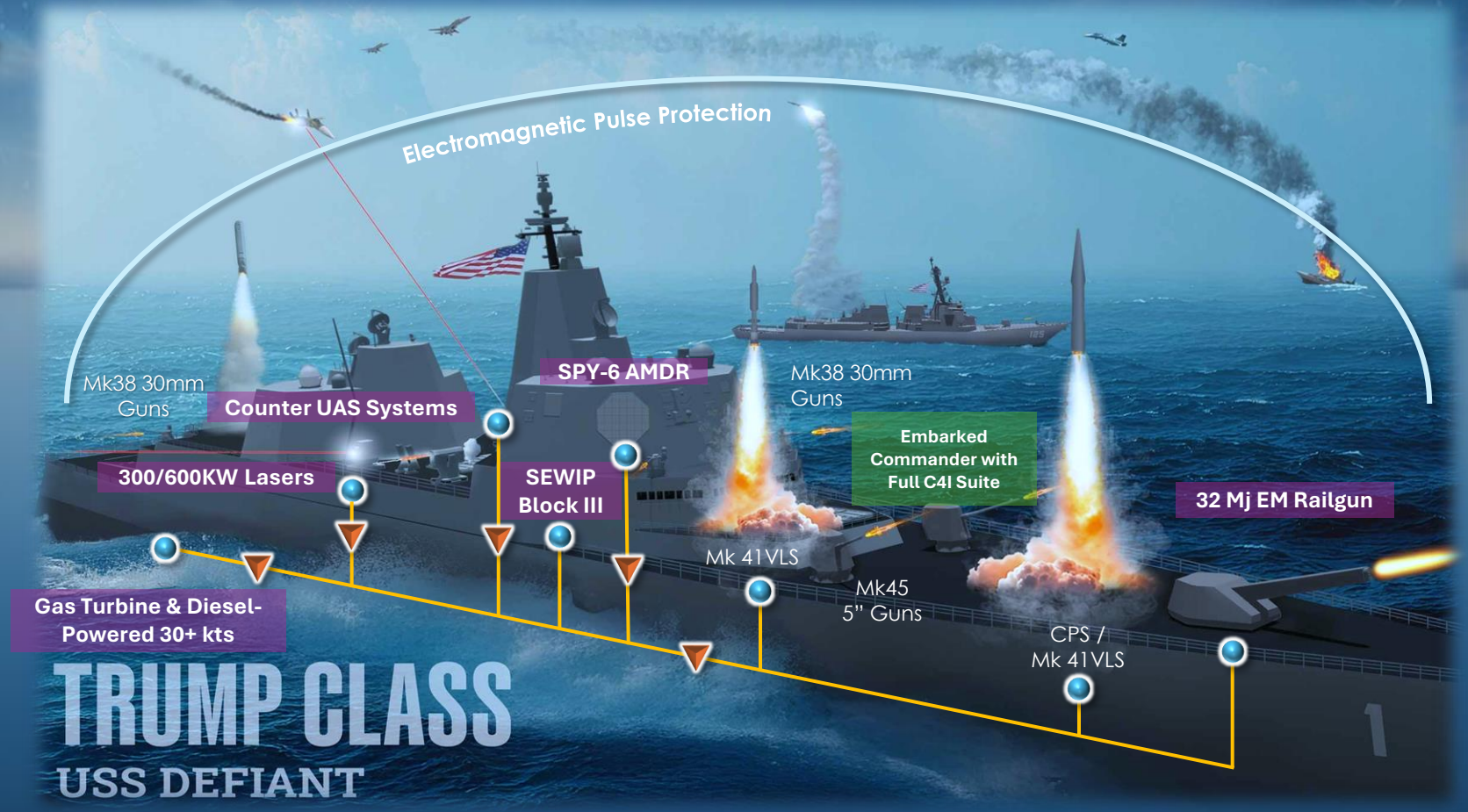
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Solutions to Support TRUMP CLASS Battleships



IBP
Insulated Bus Pipe (Mono/COAX)

SST
Solid State Transformers and Modular Generator Conversion

MBSE
Model Based System Engineering Consulting and Implementation

Power Metrology
Insulation Health, Mechanical Health, Fault Localization, DC Zone Relay

DCDS
Direct Current Disconnect Switch

GNDC
All passive, continuously running grounding circuit

TRUMP CLASS Requirements

- 35000 LT Plus Displacement
- 30+ Knots
- Two 300 KW or Two 600 KW Lasers
- One 32 Mj Railgun with HVP
- 37 RMA SPY-6 Air and Missile Defense Radar (AMDR)

Requirement Driven Systems

- 4 Shafts, Six Generators, Six Main Switchboards, 4160 V Power Distribution or higher, numerous transformers and rectifiers
- Two Banks of Energy Storage for Lasers – DC output in MW range
- Massive bank of energy storage for EM Rail Gun with DC output [Ability to cross-connect energy storage, lasers & EM Rail Gun]
- Massive power to four segregated AMDR Arrays

Image courtesy of https://www.goldenfleet.navy.mil/