



Squadron 2020: From Steel to Sea

The successful launch of Finland's first Pohjanmaa-class corvette demonstrates the decisive advantage of comprehensive shipyard capabilities.

The multi-role corvettes are the first vessel class in the Finnish Navy that are designed and constructed under the surveillance of the ship classification society, including the ship's performance in ice. This ground-breaking achievement showcases what integrated naval shipbuilding can deliver.

Strategic Shipbuilding Efficiency

RMC's comprehensive facilities eliminate the risks and inefficiencies of multi-vendor steel fabrication supply. Our integrated approach spans from raw steel processing ⁽¹⁾ through automated cutting and fabrication ⁽²⁻³⁾, block assembly in 25 individual cells ⁽⁴⁾, to climate-controlled painting ⁽⁵⁾ and advanced outfitting ⁽⁶⁾.

Our hull erection facilities enable flexible construction approaches: indoor facilities ^(7a-7b) within our multi-functional hall provide weather-independent construction with 260t + 200t crane capacity, while our dry dock facilities ^(7c-7d) offer expanded capacity with 3 x 150t cranes for simultaneous hull construction.

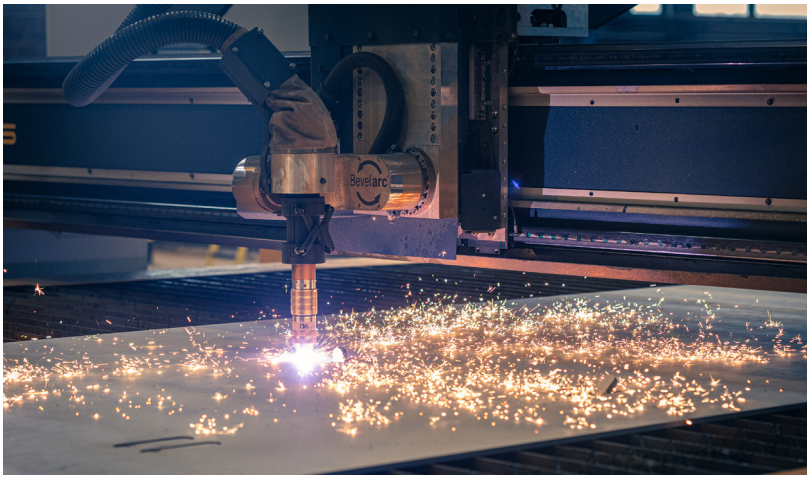
COMPREHENSIVE SHIPYARD CAPABILITIES

Validated Naval Systems Integration

Security-cleared operations at confidential level enable integration of sophisticated combat systems. Final outfitting and commissioning ^(8a-8c) includes segregated security zones for classified naval applications. Our collaboration with SAAB in Squadron 2020 project demonstrates our capability to integrate advanced naval systems within a single, secure facility.

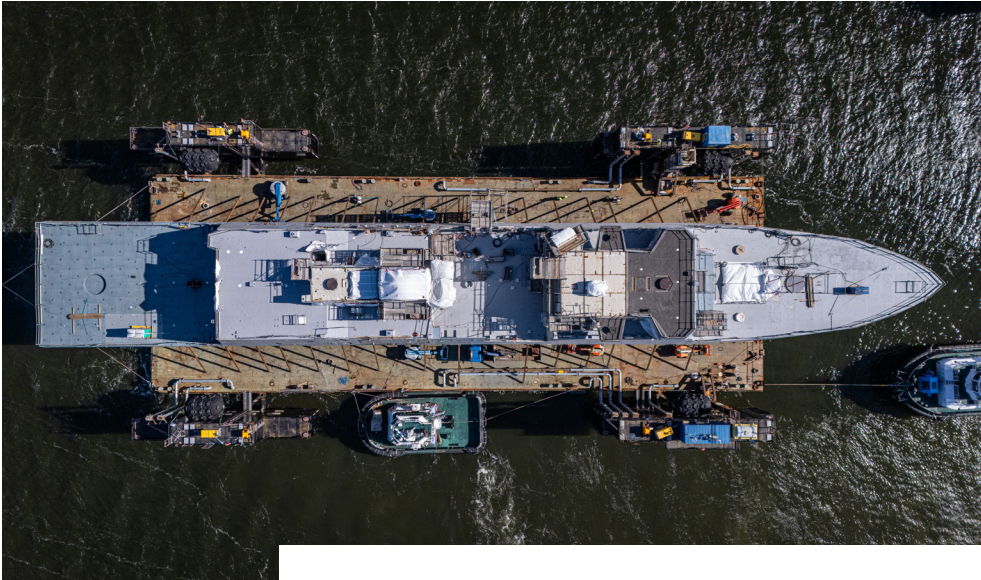
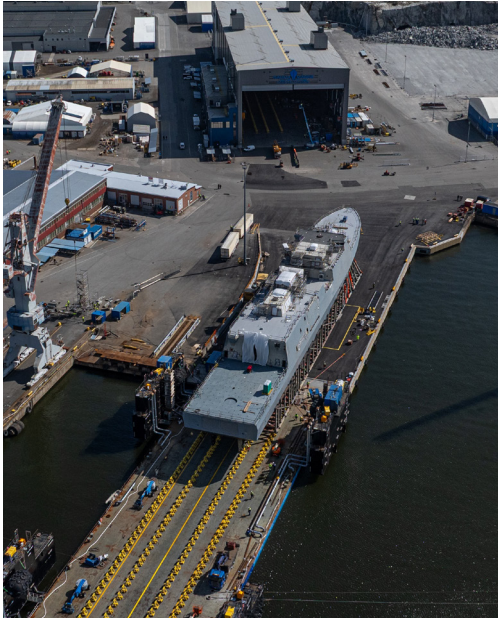
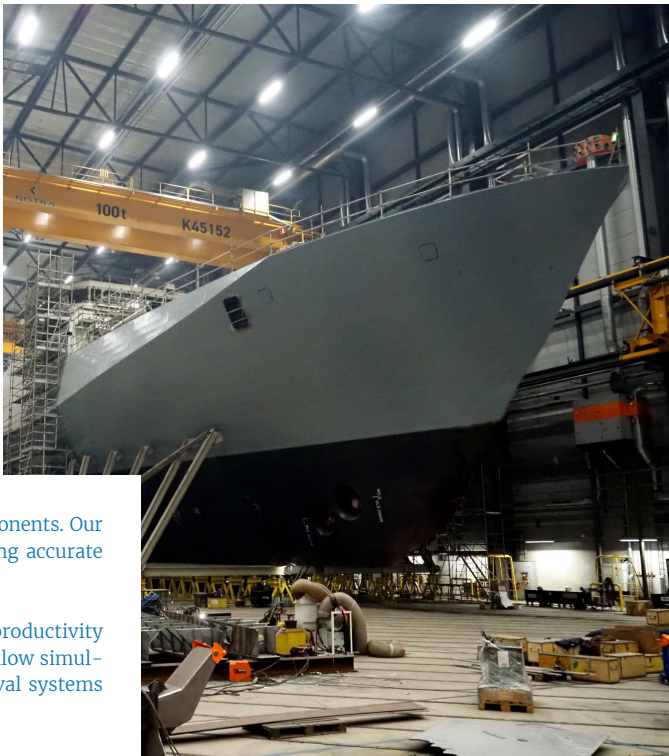
Scalable Maritime Defense Solutions

For naval forces requiring reliable, advanced surface combatants, RMC's integrated capabilities provide the strategic advantage of complete lifecycle control within a secure, efficient production environment.



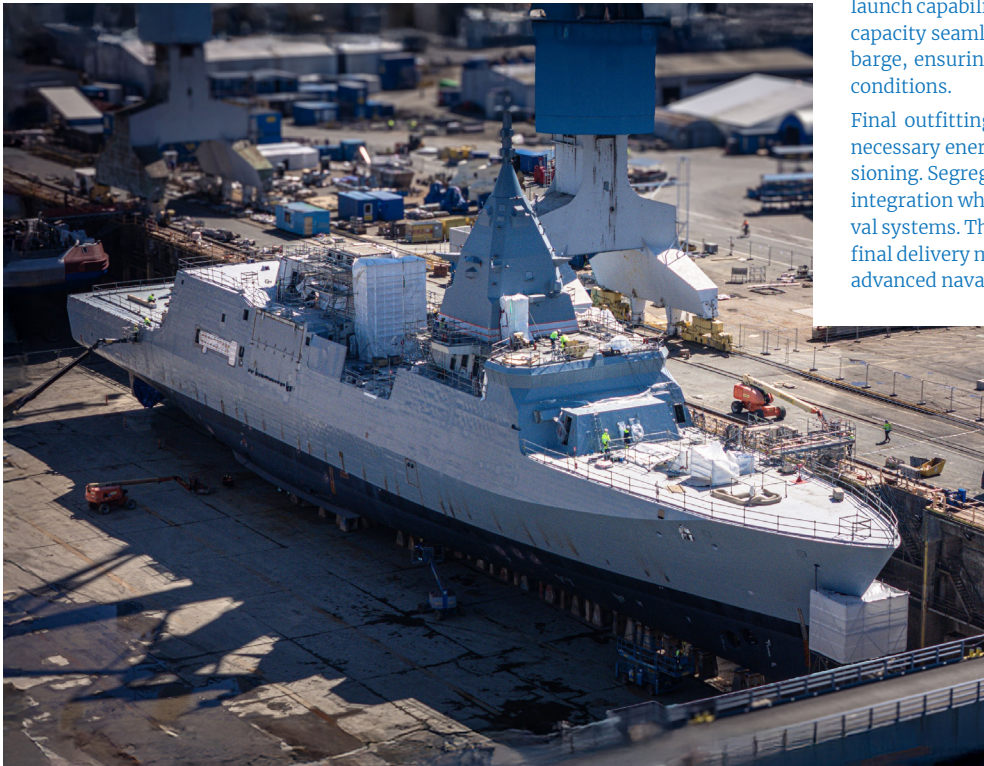
Advanced plasma cutting technology enables precise fabrication of complex naval components. Our three plasma cutting machines handle 4-80 mm steel with bevelling function, ensuring accurate preparation for ice-strengthened hull construction and military-grade specifications.

Weather-independent hull construction in our enclosed facilities enables year-round productivity regardless of Nordic conditions. Multiple indoor halls with lifting capacity up to 460t allow simultaneous vessel construction while maintaining precise quality control for complex naval systems integration.



Our semi-submersible barge operation demonstrates industrial-scale launch capability. The 30m wide heavy-duty launch ramp with 10t/m² capacity seamlessly transfers completed hulls to our 11,000t capacity barge, ensuring reliable vessel delivery regardless of weather or sea conditions.

Final outfitting and commissioning at dedicated quays includes all necessary energy connections and load banks for generator commissioning. Segregated security zones enable classified naval technology integration while maintaining operational efficiency for complex naval systems. This controlled approach from hull construction through final delivery minimizes risk while ensuring the highest standards for advanced naval vessels.



Squadron 2020 Finnish Navy	
Loa	117 m
Beam mld.	16.5 m
Draught	5 m
Speed	26 kn
Crew	70