

## GRAPHENE-ENHANCED ANTI-FOULING PAINT

*Nova Graphene's pristine graphene coatings revolutionize maritime, oil & gas, and other industries, positively impacting ocean ecosystems and climate.*

*These coatings prevent marine life attachment minimizing drydock time, decrease hydrodynamic drag, and increase fuel efficiency. MarineGarde enhances various global industry needs with its advanced properties.*

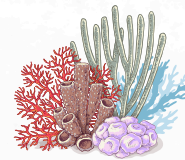


## MARINE GARDE - Potential Benefits

- ✔ **Hydrophobic/Low Surface Energy:** Decreases drag, increases fuel efficiency
- ✔ **Foul Release:** Reduced growth on stagnant vessels, lowers surface energy
- ✔ **Non-Sloughing/Non-Ablative:** No biocides or sacrificial copper additives
- ✔ **UV-Resistant:** Absorbs UV radiation
- ✔ **Anti-Abrasion:** Increased material strength and lubricity
- ✔ **Anti-Corrosion:** Resistant to electrochemical reactions and oxidation
- ✔ **Impermeability:** Graphene flakes fill amorphous regions, blocking liquids and gases
- ✔ **Extended Service Intervals:** Potentially years rather than months



No sloughing into the ocean



Environmental advantages