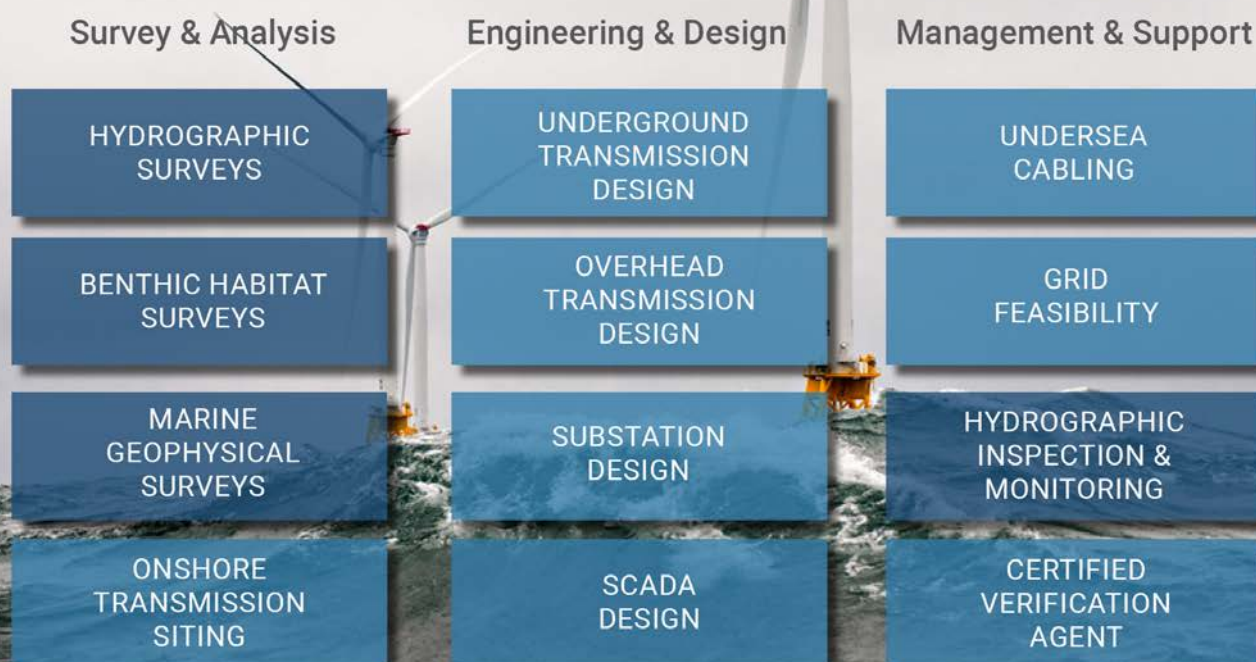


Offshore Wind Development Capabilities

**ACQUIRE
ANALYZE
ANSWER**

NV5 GEOSPATIAL HAS A SOLUTION FOR EACH OF THE UNIQUE NEEDS OF OFFSHORE WIND DEVELOPMENT. DIFFERENT DATA TYPES, COLLECTION METHODS, AND ANALYSES YIELD SPECIALIZED VALUE AND INSIGHT.



NV5's broad spectrum of capabilities from development through operations for both onshore and offshore with specific expertise in the power and utilities industry enables developers to collect many critical services under a single MSA making for efficient contracting and bundled pricing opportunities.

NV5 Geospatial's has their marine headquarters based in North Carolina and engineering offices throughout the Eastern Seaboard, making opportunities for local content available in all offshore markets.

NV5 Geospatial's commitment to R&D means that you will have access to state-of-the-art sensors today and future advancements such as autonomous fleet control for efficient execution of large offshore projects.

BOEM COP GUIDELINES MATRIX

COP Category	Pg	COP Item	NV5 Capability
Required Survey Results and Supporting Data	9	Shallow Hazards Survey	NV5 Geospatial
Required Survey Results and Supporting Data	9	Geophysical Survey Data	NV5 Geospatial
Required Survey Results and Supporting Data	10	Biological Survey	NV5 Partner
Required Survey Results and Supporting Data	10	Geotechnical Investigation	NV5 Partner
Required Survey Results and Supporting Data	10	Archeological Resources Survey	NV5 Partner
Project-specific Information	12	Construction and Operation Concept	
Project-specific Information	13	Commercial Lease Stipulations	
Project-specific Information	13	Location Plat	
Project-specific Information	13	Structural, Fabrication, and Installation Design	NV5
Project-specific Information	14	Cables and Power Lines	NV5
Project-specific Information	14	Deployment	
Project-specific Information	14	Lists of Wastes Generated	
Project-specific Information	15	Lists of Chemicals Used	
Project-specific Information	15	Description of Vessels and Aircraft	NV5 Geospatial
Project-specific Information	16	Description of Operating Procedures	NV5
Project-specific Information	16	Decommissioning Procedures	NV5
Project-specific Information	16	Federal/State/Local Permits	NV5
Project-specific Information	16	Minimizing Environmental Impact Plan	NV5
Project-specific Information	18	Financial Assurance	
Project-specific Information	18	CVA Nominations	NV5
Project-specific Information	18	Construction Schedule	
Project-specific Information	18	Air Quality Information	
Required Information to Accompany COP	19	Information for Compliance with NEPA, etc.	
Required Information to Accompany COP	19	Oil Spill Response Plan	NV5
Required Information to Accompany COP	20	Safety Management System	NV5
Best Management Practices	24	Monitor Environmental Conditions	
Best Management Practices	24	Seafloor Surveys	NV5 Geospatial
Best Management Practices	25	Evaluate Marine Mammal Use of Project Area	NV5 Partner
Best Management Practices	25	Pre-Siting Survey to Evaluate Fish Habitats	NV5 Partner
Best Management Practices	26	Evaluate Cable Landfalls for Turtle Nesting Areas	
Best Management Practices	26	Evaluate Cable Landfalls for Avian Nesting Areas	
Best Management Practices	27	Understand Fishery Interests	NV5 Partner
Best Management Practices	27	Coastal Habitat Protection Plan	
Best Management Practices	28	Viewshed Map, Photographic and Virtual Simulations	NV5 Geospatial
Best Management Practices	28	Waste Management Plan	
Attachment E (Guidance for NEPA and other laws)	38	Hazard Analysis	NV5 Geospatial
Attachment E (Guidance for NEPA and other laws)	40	Water Quality Analysis	NV5 Partner
Attachment E (Guidance for NEPA and other laws)	42	Biological Resource Analysis	NV5 Partner
Attachment E (Guidance for NEPA and other laws)	44	Endangered Species Analysis	
Attachment E (Guidance for NEPA and other laws)	46	Sensitive Habitat Analysis	
Attachment E (Guidance for NEPA and other laws)	49	Archeological Resource Analysis	NV5 Partner
Attachment E (Guidance for NEPA and other laws)	52	Socioeconomic Resource Analysis	NV5 Partner
Attachment E (Guidance for NEPA and other laws)	54	Coastal and Marine Use Analysis	
Attachment E (Guidance for NEPA and other laws)	56	Coastal Consistency Certification	
Attachment G (Coordination with Existing Telecoms)	61	Coordination During Survey Work	
Onshore Requirements (Not in COP)		Transmission Line Siting	NV5 Geospatial
Onshore Requirements (Not in COP)		Transmission Line Engineering	NV5 Geospatial
Onshore Requirements (Not in COP)		Substation Design	NV5
Onshore Requirements (Not in COP)		Harbor Facility Design	NV5
Onshore Requirements (Not in COP)		Underground Transmission Design	NV5
Onshore Requirements (Not in COP)		Fiber Optic Design	NV5
Onshore Requirements (Not in COP)		Wind Project Compliance	NV5