

GOVERNORS ISLAND

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# 190' Vehicle and Passenger Ferry Vessel RFP

Optional Pre-Proposal Meeting #2

Sebastian Coss

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# Agenda

1. Project Overview and Timeline
2. Contract Drawings and Technical Specification
3. Propulsion System Integrator Scope of Supply
4. Questions



## Team

### THE TRUST FOR GOVERNORS ISLAND

#### Owner

501(c)3 non-profit corporation created by the City of New York responsible for the planning, operations and ongoing development of Governors Island



#### Operator



#### Naval Architect



**Glostén**

#### Technical Expert and Design Review



#### Propulsion System Integrator (PSI)

The specification and contract design drawings are based upon a Siemens Blue Drive-ECO system

Proposers may propose a qualified equivalent PSI for vessel construction



# Governors Island at a Glance

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**172 acres at the center  
of New York Harbor**

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**Minutes by ferry from  
Lower Manhattan and  
Brooklyn**

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**120 acres of open space  
including new 43-acre  
park**

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**1.3M SF of Historic  
Buildings, plus 33 acres  
designated for new  
development**

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**1M+ annual visitors**

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## The Project

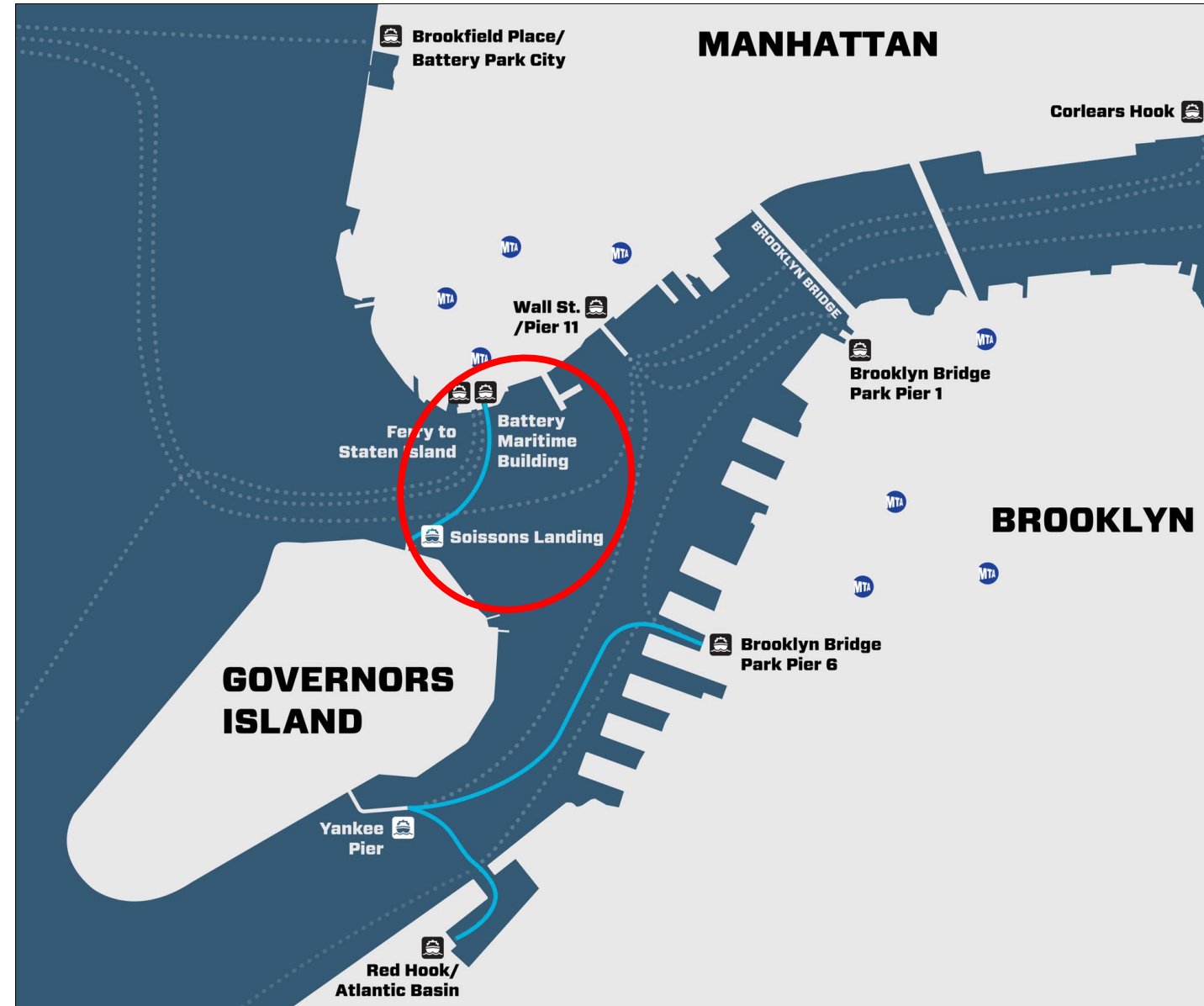
**Need:** replacing primary vehicle ferry, M/V COURSEN, which has served Governors Island since 1955

**Service:** all vehicular traffic necessary for the continuous operations of the Island, including emergency vehicles, and supplemental passenger service

**Primary route:** ~0.5 nautical mile trip between terminal in lower Manhattan and Governors Island

**High visibility project in NY Harbor:** first vehicle and passenger hybrid ferry with intention to upgrade for all-electric operation

**100% Contract Drawings** will be finalized in advance of contract execution



# Submission Requirements

### 1. Team Organization & Qualifications

- a) Team Members & Structure
- b) Experience with Similar Projects
- c) Experience with Public Sector Clients (if applicable)
- d) Shipyard Capabilities
- e) References

### 2. Acceptance of Form of Vessel Construction Agreement & Insurance Requirements

- a) Propose a Scheduled Delivery Date and Progress Payment Schedule
- b) Review all insurance and bonding requirements
- c) Provide specific comments and/or alternatives to Contract provisions (Exhibit G)

### 3. Proposed Fee with Fee Schedule

### 4. All Documents detailed in the Proposal Checklist (Exhibit J)

- a) Signed Declaration of Understanding
- b) Signed Anti-Collusion Declaration
- c) Confirmation of application to NYC PASSPort procurement system
- d) Completed Doing Business Data Form

### Evaluation

The evaluation criteria include, but are not limited to, the following:

- a) Experience in providing services similar to those described in the RFP;
- b) Proposed Fee;
- c) Proposed Schedule and Delivery Date;
- d) Quality of the proposal and the degree to which it demonstrates the Proposer's full understanding of and the ability to deliver the vessel;
- e) History in contracting or doing business with the City of New York, or other governmental or quasi-governmental entities;
- f) Proposer's general organization and experience;
- g) Reference information.

*Note: The Trust is not required to accept any proposal, nor if a proposal is selected, is not required to accept the lowest or highest offer*

## Key Dates

Release Date:	Monday, December 6 <sup>th</sup> , 2021
First Pre-Proposal Meeting:	Thursday, December 16 <sup>th</sup> , 2021 at 10 AM
Second Pre-Proposal Meeting:	<b>Wednesday, December 22<sup>nd</sup>, 2021 at 11 AM</b>
Questions Due (in Writing):	Friday, January 14 <sup>th</sup> , 2022
Answers posted on The Trust's website:	Friday, January 28 <sup>th</sup> , 2022
Proposals Due (electronically):	Monday, February 14 <sup>th</sup> , 2022 by 5 PM

In-person site visits will be made available upon request.

All electronic correspondence regarding this RFP should be directed to [gibids@govisland.org](mailto:gibids@govisland.org), with *190' Vehicle & Passenger Ferry RFP* in the subject line and addressed to Sebastian Coss, Senior Project Manager



# Contract Drawings and Technical Specification



## Vessel Particulars

Length: 190'-0"

Beam (over guards): 62'-4"

Depth: 13'-0"

Estimated Light Ship: 550 LT

Propulsion Motors: 2 x 540 kW

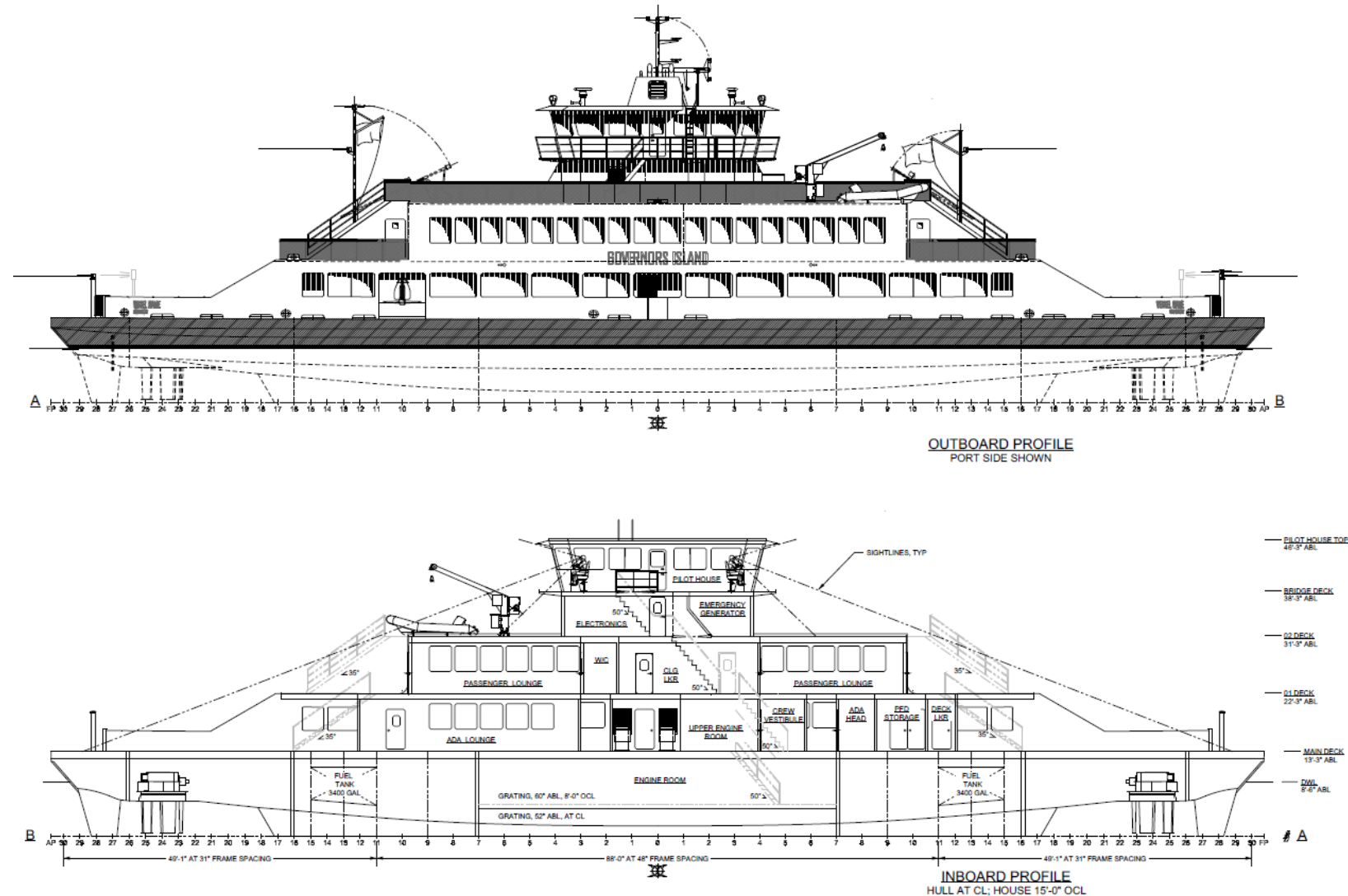
Propulsion Drives: 2 x VSP-16

Propulsion Generators: 3 x 565 kW

Battery Banks: 2 x 158.6 kWh

Emergency Generator: 1 x 65kW\*

\*Reserved for 100% Design





# Regulatory Requirements

- Certificate of Documentation (COD) with Coastwise Registry endorsements, and a Certificate of Inspection (COI) for USCG Subchapter K with approximately 900 passengers
- Structure designed to ABS River Rules; however, the vessel will not be classed by ABS.
- Electric hybrid propulsion and an unmanned machinery space will invoke:
  - Qualitative Failure Analysis (QFA)
  - Design Verification Test Procedures (DVTP)
  - Periodic Safety Test Procedures (PSTP)
- Underwater Inspection in Lieu of Drydocking (UWILD)

# Governors Island Siemens Energy Marine Solutions

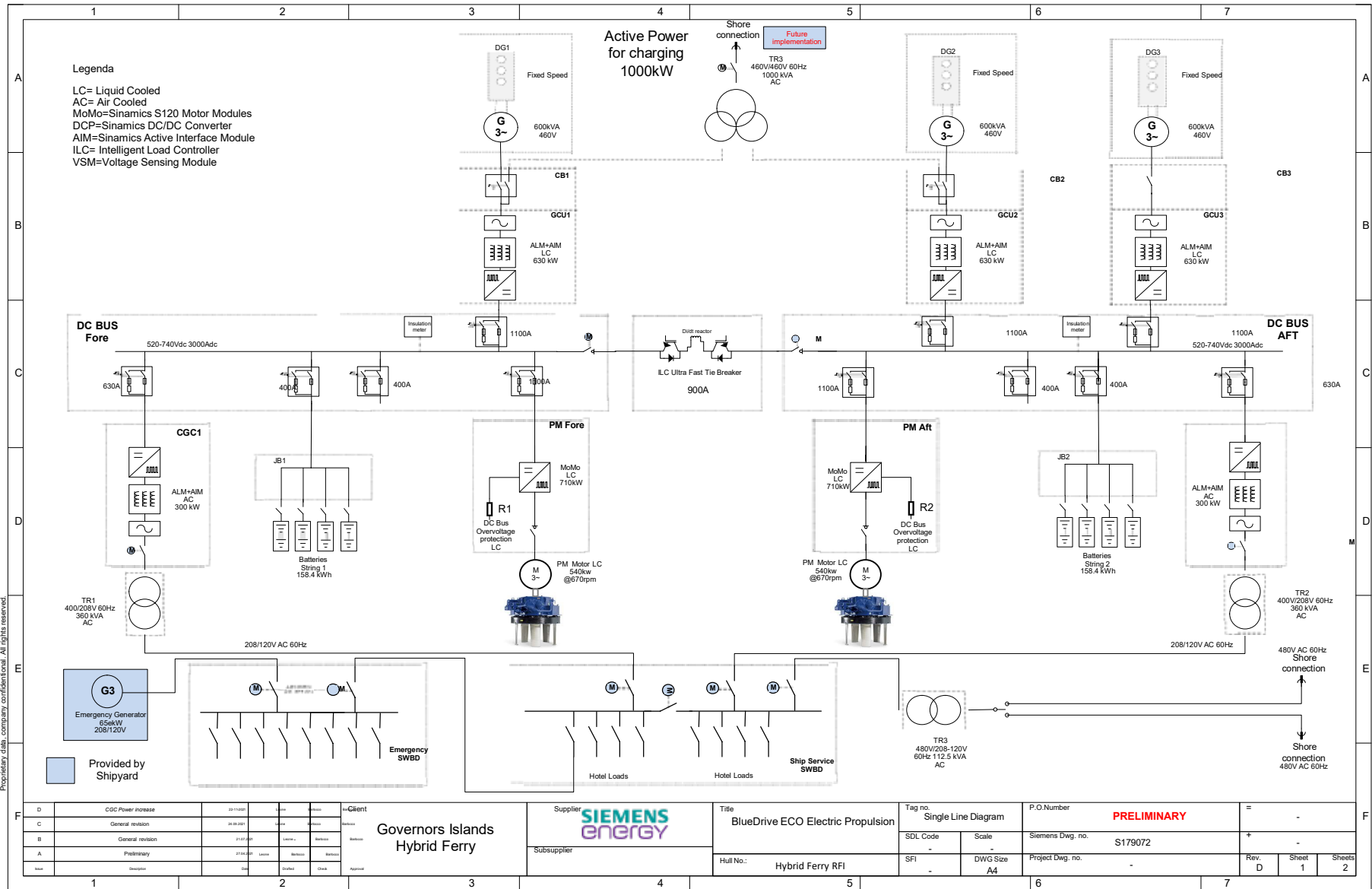
December 22, 2021





# PROPULSION SYSTEM INTEGRATOR SCOPE OF SUPPLY

Siemens Energy POC: Mr. Luke Briant

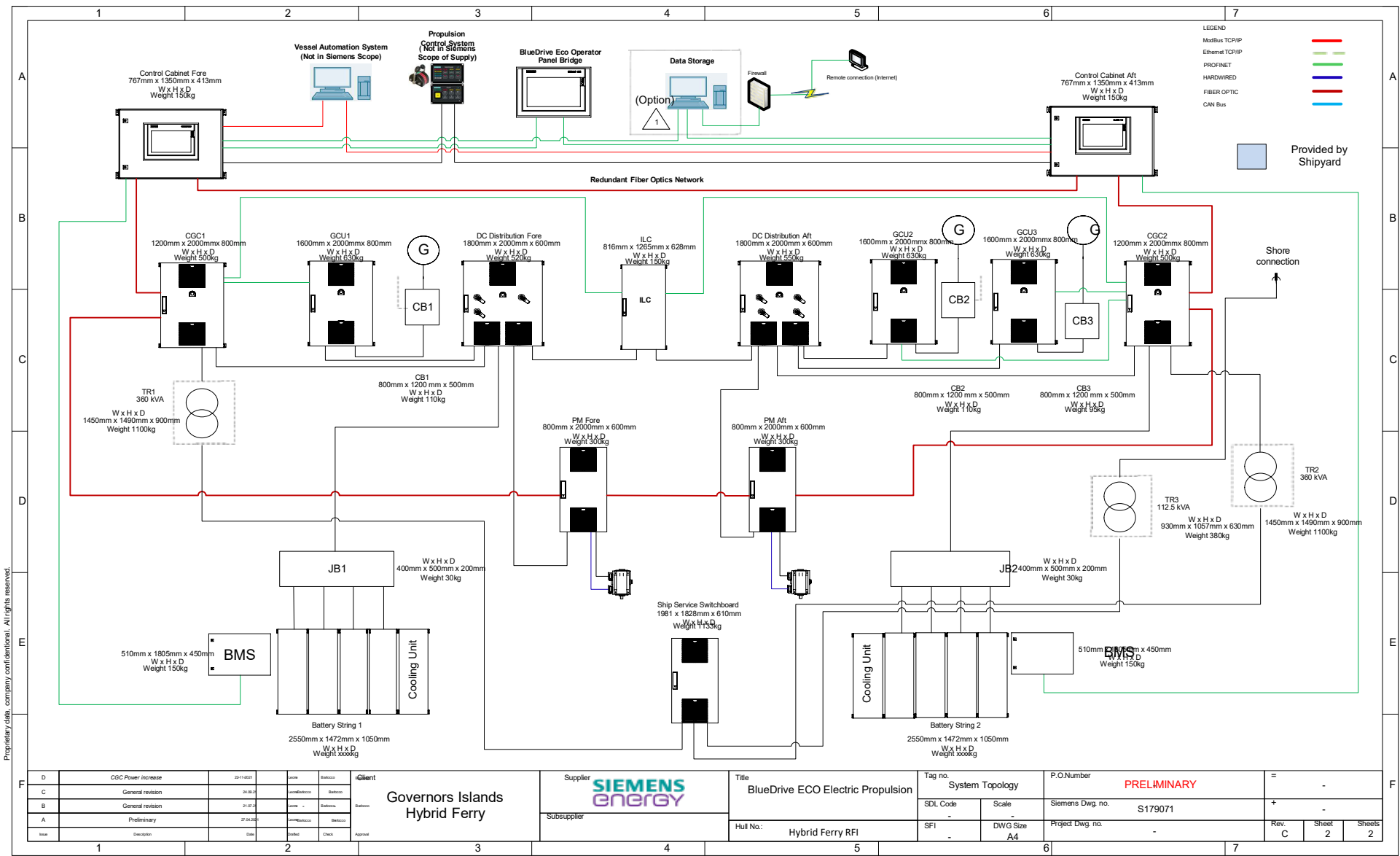


# PROPULSION SYSTEM INTEGRATOR SCOPE OF SUPPLY

Item	Qty	Description	
<b>A1</b>		<b>Propulsion</b>	
	2 off	Liquid cooled Permanent Magnet Synchronous Motors 540kW@670rpm.	
<b>A2</b>		<b>Generators – Diesel Genset</b>	
	3 off	Qty (3) Cummins QSK19DM Marine generator set rated 565 ekW @ 1800rpm	
<b>A3</b>		<b>BlueDrive Eco Switchboards and Drives</b>	
	1 off	<b>SIEMENS ENERGY BlueDrive Eco Switchboards, IP44,</b> comprising panels and switchboards as following: 3 off (GCU1) 630kW 480V 60Hz Fixed speed Generators Control Unit Water Cooled (Sinamics ALM+AIM) 2 off (PM1/2) Propulsion Inverters Liquid Cooled panels with drive and control 2 off (CGC1/2) 300 kW 240Vac 60Hz Clean grid converter Air Cooled for Hotel loads 2 off 700VDC 600Adc distribution Switchboards Air Cooled Bus with pre-charge disconnectors switches according to Class Notation requirements <b>(Note: including spare disconnectors for future Full Electric ESS modules)</b> 1 off (ILC) Intelligent Load Controller 2 off Control Cabinets Air cooled for EMS and Propulsion control	
	1 off	Energy management system and Propulsion Control (EMS) Energy production will be controlled by the Energy Management System - EMS. The system controls the operative number of diesel engines, based on the load situation. The EMS is integrated in the BlueDrive Eco	
<b>A4</b>		<b>Lithium Ion (NMC) Battery</b>	
	2 off	Siemens Energy Blue Vault™ Energy Storage Liquid cooled Battery Switchboards of 158.4kWh each total Energy 316.8 kWh Note: Future upgrade to Full Electric -396kWh each, total energy of 792kWh	

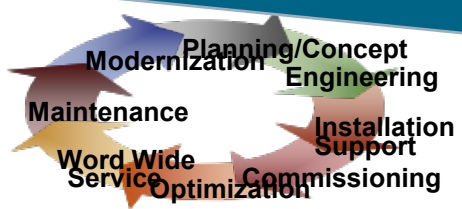
<b>A5</b>		<b>Distribution Transformers</b>	
	2 off	Hotel Loads Transformers, 3AC 400V/208V 60Hz, 360kVA, IP23, Air cooled, F/F, S1	
	1 off	Shore Power Transformer, 3AC 480V/208V 60Hz, 112.5kVA, IP23, Air cooled, F/F, S1	
<b>A6</b>		<b>Dockside commissioning and Sea trials</b>	
	1 off	50 Man Days (8h/day) of dockside commissioning effort in USA shipyard for the equipment in this scope of supply Siemens Energy has been included.	
<b>A7</b>		<b>EcoMain Remote Service and data Storage</b>	
	1 off	Remote service server and local data storage	
<b>A8</b>		<b>Engineering, PM, Dockside commissioning and Sea trials</b>	
	1 off	50 Man Days (8h/day) of dockside commissioning effort in USA shipyard for the equipment in this scope of supply Siemens has been included.  Testing: FAT (Factory Acceptance Test) for Siemens Energy scope of supply HAT (Harbor Acceptance Test) for Siemens Energy scope of supply SAT (Sea Acceptance Test) for Siemens Energy scope of supply  Engineering Studies for Siemens Energy scope of supply to include: Short circuit calculation; Selectivity & discrimination calculation; Harmonic distortion calculation & measurements FMEA and DVTP for Siemens Energy scope of supply only ABS Certification for Siemens Energy supplied equipment as required by class Commissioning and Sea Trials Project Management	
<b>A9</b>		<b>EcoMain Remote Service and data Storage</b>	
	1 off	Remote service server and local data storage	





The OC has professionals to execute projects for both Commercial and Government sectors			
<ul style="list-style-type: none"> <li>• Specification Development</li> <li>• Proposal Preparation</li> <li>• Project Management</li> <li>• Risk Management</li> <li>• Subcontractor Management</li> <li>• Change Management</li> </ul>	<ul style="list-style-type: none"> <li>• Industry Specific Knowledge</li> <li>• Engineering</li> <li>• Design Submittals / Drawing sets</li> <li>• Documentation</li> <li>• Integrated Systems Testing</li> </ul>	<ul style="list-style-type: none"> <li>• System Optimization</li> <li>• Power Distribution</li> <li>• Drives Systems</li> <li>• Automation</li> <li>• Energy Management</li> <li>• Field Commissioning</li> <li>• Site Management</li> </ul>	<ul style="list-style-type: none"> <li>• Installation Oversight</li> <li>• Scheduling</li> <li>• Procurement</li> <li>• Logistics</li> <li>• Quality Management</li> <li>• Environmental, Health and Safety</li> </ul>

## Project Execution for Complex Projects



**CMMIDEV/3<sup>SM</sup>**  
Exp. 2022-10 -18 / Appraisal #3714

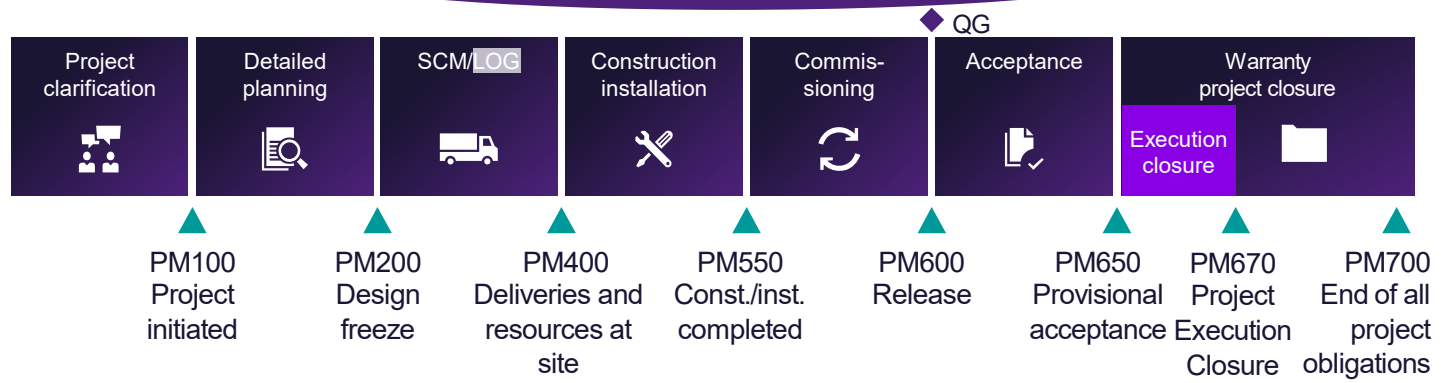
**NIST 800-171 Compliant  
Operational Environment**

Industry Process Expertise

Project Execution Expertise

Total Customer Solutions

## Execution Phase



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# Questions?

- Please type all questions into the chat window;
- Answers to questions asked at either Pre-Proposal meeting will be posted on our website in an addendum;
- Proposers may submit additional questions, or request a site visit to Governors Island, by emailing [gibids@govisland.org](mailto:gibids@govisland.org);
- All questions must be received by no later than January 14, 2022;
- Answers to all questions will be emailed to prospective Proposers no later than January 28, 2022.



# Thank You

Sebastian Coss

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