



Overview: Port Development for the 21st Century

SEUS-CP B2B participants can benefit from the modernization of ports as demand for new technologies, products, and services rise to support port growth, performance, and security. Ports seek sustainable operations to ship cargo faster and safer while reducing their carbon footprint. They also require new digital technologies to improve efficiency. In addition, ports are looking to expand services for industries and products such as cruise lines, offshore wind, aquaculture, automobiles, machinery, refrigerated cargo, retail, among many others. Expanding container capacity and connectivity to rail and trucking through inter-modal channels is also in several ports' strategic plans. Globally, international maritime and shipping companies are engaging supply chain stakeholders to collectively reduce power consumption and carbon emissions. Port development and modernization needs tend to include:

Information Technology (software & hardware)

- Logistics software
- Project and Asset Management software
- Enterprise and service functionality/Enterprise Resource Planning (ERP)
- Software for air emissions calculations
- Simulated Training
- Sensor Technology
- Drone Technology
- Augmented Reality (AR) Technology

Green Technology & Equipment

- New green technologies and low or zero-carbon alternatives to fossil fuels and power-intensive terminal equipment
- Battery Supply & Disposal
- Electricity-powered operations
- Renewable fuels for vessels, cargo-handling equipment, storage,

generation, and transportation

Technical Textiles

- Uniforms, work gloves

MRO

- Agitation Maintenance Dredging
- Railcar Compliance/repairs
- Water system maintenance