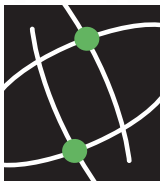# NSG Port Solution

Unify your data geospatially

Imagine data from *all departments*, unified and presented on an *interactive map*, enabling ports to *make decisions* and answer *tough questions* both *quickly and effectively*

The NSG Port Solution is a framework of industry standard software and specialized add-ons created for seaports, together with procedures, reports, data models and training materials. Consisting of a core solution and optional tools, extensions and system integrations, the NSG Port Solution is the only comprehensive geospatial port solution available today. With the NSG Port Solution, ports can:

- Unify and interact with all port maps, drawings, aerial photos, as-builts, and linked information on a common base map.

- Analyze data across the organization to make the best decisions.

- Access data when and where it is needed – from the office, the field, or anywhere in the world.

NSG
NORTHSOUTH GIS

ports.northsouthgis.com

esri **Partner Network**
Gold

Geocortex®
BUSINESS PARTNER

Tradmarks provided under licences from Esri and Latitude Geographics

NSG Port Solution Framework *On-Site*

Hardware		
	Delivery via VMWare® or Hyper-V® virtual servers	
	Physical servers	Client responsible. Must be virtualized.

Software		
	NSG Port Solution Core *On-Premise*	Core software, processes, tools and extensions included.
	NSG Port Solution Options *On-Premise*	Optional software, processes, tools and extensions available.
	Microsoft® Windows® Server 2008 or higher	Client responsible.
	Microsoft® SQL Server® 2008 or higher	Client responsible.
	Esri® ArcGIS® for Server, Standard Enterprise	Client responsible. Optionally available from NSG for US clients.
	Esri ArcGIS for Desktop, Standard	Client responsible. Optionally available from NSG for US clients.
	Latitude Geographics® Geocortex Essentials®	Client responsible. Optionally available from NSG for US clients.

NSG Port Solution Core *On-Site*

Database		
	NSG Ports Database Model	Industry and Esri® database standard for Ports, developed by NSG and Esri.

Viewers		
	Desktop Map Viewer	Powerful viewer ideal for office use
	Mobile Map Viewer	Simpler viewer for field work and focused tasks

Tools		
	Measurement and Sketching Tools	Measure areas and lengths, sketch graphics for on-the-fly map output.
	Data Linking and Query Tools	Powerful configuration tools for linking to external databases and performing queries.
	Esri base maps & links to Bing™ and Google Maps™	Global current imagery and synchronization with popular map services.
	Printing and Reporting Tools	Custom printable maps & reports to create Vacant Lot Reports, Tenant Contacts, etc.
	Document GeoLinker	Link CAD drawings, photos and other files to map locations.
	Short Term Event Planning Tool	Planning and information sharing for construction, public events, detours, and more.
	Security Situation Planning Tool	Port Security Plans, Security Action Plans.
	Map Quality Feedback Tool	Map redlining so users can report on map errors or changes.

Extensions		
	Field Inspection & Incident Reporting Extension	Use your laptop, tablet or smart phone to inspect equipment, environmental compliance, or initiate work orders for repair. Requires cellular or WiFi connectivity.

NSG Port Solution Options *On-Site*

Tools (currently in development)		
	Port Property Management Tool	Data structure, procedures, tools, and reports specifically for managing port properties.
	Available Properties Tool	Enables Real Estate manager to send custom reports to potential tenants.
	Long and Short Term Lease Tools	Create and edit temporary space assignments and long term leases.
	Mass Notification System Geographic Activation Tool	Activate your MNS for selected areas from the Port Desktop Map Viewer.
	Utility Tracing and Notification Tool	Identify valves to cut off leaks, trace networks, and notify tenants impacted by shutoffs.

Live Feeds		
	AIS Feed	Vessel tracking. Requires subscription.
	Weather Station Feed	NOAA PORTS® stations, if available. Other sources are possible.
	Traffic Feed	Requires an ArcGIS Online subscription or agreement with regional source.
	CCTV Camera Feed	View and control CCTV cameras, including PTZ.
	Access Control Feed	View access control card readers.

Integrations		
	PSIM, Situation Management, C2	e.g. Mariner® CommandBridge™
	Video Management System, Access Control	e.g. Genetec®, Milestone Systems®, Lenel®
	ERP, CMMS, Asset Management	e.g. MAXIMO®, Oracle® EBS, SAP®, MaintStar, AssetWorks
	Mass Notification Systems	e.g. HipLink®, Send Word Now®
	GIS and CAD	e.g. Esri ArcGIS Online and ArcGIS for Maritime, AutoCAD®, Safe FME®

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