

List of Environments



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1. NAUTIS 3 Environment List

We have a library of ports available, shown below, which can be purchased separately. The following gives an overview of all environments available for NAUTIS 3.

NAUTIS 3 Environment	Description	Country
Open ocean		-
Almeria	Port of Almeria	Spain
Altamira		Mexico
Antwerp Approach	Port of Antwerp, including Westerschelde, Vlissingen, Terneuzen, Hansweert, Gent, Zeebrugge	Belgium, The Netherlands
Bay of Kiel and Mecklenburg	Bay of Kiel, Bay of Mecklenburg, Kiel	Germany
Boryeong		South Korea
Bratislava	Danube river at Bratislava city center from Lužný most (bridge) to Most Lanfranconi (bridge)	Slovakia
Bremerhaven	Port of Bremerhaven	Germany
Busan	Port of Busan	South Korea
Cadiz	Port of Cadiz	Spain
Da Nang	Port of Da Nang at opening end of Han River	Vietnam
Danish Straits		Denmark and Sweden
Den Helder	City and port of Den Helder	The Netherlands
Den Helder to Urk and Harlingen	Den Helder, Wadden islands, Waddenzee, Harlingen to Leeuwarden and Drachten, IJsselmeer, Urk	The Netherlands
English Channel	English channel including Calais and Dover	UK and France
Ensenada		Mexico
Farsund		Norway
German Bight	Includes Hamburg, river Elbe to the sea, Cuxhaven, Bremerhaven	Germany
Groningen	Including Van Starckenborghkanaal	The Netherlands
Gulf of Mexico part 1	Environment center: 28.02669N -90.71659W	Mexico
Gulf of Mexico part 2	Environment center: 27.624100N -90.674051 W	Mexico
Hai Phong	Hai Phong Port	Vietnam
Harlingen to Leeuwarden	Harlingen, Leeuwarden, Afsluitdijk, Terschelling, Vlieland	The Netherlands
Ho Chi Minh	Vung Tau port, Cai Mep – Thi Vai Port, Sao Mai-Ben Dinh, ports of Phu My, My Xuan, port on Dinh river, port of Ben Dam, Con Dao island	Vietnam
Hong Kong	Port of Hong Kong	China
Houston to Galveston		United States
Ijmuiden to Amsterdam	Port of Ijmuiden, port of Amsterdam, IJ, North Sea canal	The Netherlands
IJzendoorn to Haaften	River Waal, IJzendoorn, Haaften, Prins Bernardsluizen	The Netherlands
Incheon		South Korea
Jakarta	Jakarta, Port of Tanjung Priok	Indonesia
Jeju		South Korea
Koblenz to Mainz	Koblenz, Boppard, Bingen, Mainz	Germany
Lake Erie, Toledo to Detroit	Western part of Lake Erie. Maumee river until Toledo. Detroit river until Southern area of Detroit	United States

Lazaro Cardenas		Mexico
Lima – Callao		Peru
Long Beach	Port of Long Beach	United States
Manila		The Philippines
Manzanillo		Mexico
Mississippi	Mississippi river, port of New Orleans (does not fully contain the entire Mississippi river, just New Orleans to 'Statute Mile 162')	United States
New York Approach	Port of New York and New Jersey, port Newark, the Elizabeth-Port Authority Marine Terminal, the Howland Hook Marine terminal, the Brooklyn-Port Authority Marine Terminal, the Red Hook Container Terminal, Port Jersey Port Authority Marine Terminal	United States
Nieuwegein, Everdingen to Groot-Ammers	A sailing area of the River Lek from Hagestein to Groot-Ammers, including the locks at Vianen and Beatrixsluizen Vreeswijk	The Netherlands
Nijmegen to Tiel	Nijmegen, Tiel, Waal river, Prins Bernardsluizen	The Netherlands
Nijmegen, Spijk to Ewijk	Nijmegen, Waal river, Spijk, Ewijk	The Netherlands
Norfolk		United States
North Sea	The North Sea is a marginal sea of the Atlantic Ocean located between Great Britain, Scandinavia, Germany, The Netherlands, Belgium, France- (Basically 'open ocean' but at a specific location and only a seabed. There is no terrain, buildings or vegetation)	UK, France, Belgium, Scandinavia, Germany, The Netherlands
North Sea South	The North Sea is a marginal sea of the Atlantic Ocean located between Great Britain, Scandinavia, Germany, The Netherlands, Belgium, France- (Mostly meant for navigation on the sea, the terrain/shoreline is very low-detail. indeed, it has been updated, and we currently have provided it to WSPS with the blight extension)	UK, France, Belgium, Scandinavia, Germany, The Netherlands
Ocho Rios	Ocho Rios is a port of call for cruise ships and hosts cargo ships at the Reynolds Pier	Jamaica
Padstow	Fishing port on the north coast of Cornwall. The town is situated on the west bank of the River Camel	UK
Plymouth	Port city situated on the south coast of Devon. Enclosing the city are the mouths of the river Plym and Tamar.	UK
Pohang		South Korea
Qatar		Qatar
Ria de Vigo		Spain
Rio de Janeiro	Port of Rio de Janeiro	Brazil
Rotterdam	Including the Dutch area 'Drechtsteden'- covering the rivers between Heinenoord and Rotterdam to the west, to Bergambacht and Sliedrecht to the east and Dordtsche Kil to the south).	The Netherlands
Rotterdam to IJmuiden	Port of Rotterdam, Europoort, Maasvlakte, Port of IJmuiden	The Netherlands
San Francisco	Port of San Francisco	United States
Sea of Marmara		Turkey
Seogwipo		South Korea

Singapore	Port of Singapore	Singapore
Strait of Bosphorus	The Bosphorus Strait connects the Black Sea with the Sea of Marmara and by extension via the Dardanelles the Aegean and Mediterranean Seas	Turkey
Strait of Gibraltar	Narrow strait connecting the Atlantic Ocean to the Mediterranean Sea and separates Gibraltar and Spain from Morocco and Ceuta	UK
Strait of Hormuz	Strait between the Gulf of Oman and the Persian Gulf	UAE and Iran
Suez Canal	Artificial sea-level waterway in Egypt, connecting the Mediterranean Sea to the Red Sea through the Isthmus of Suez	Egypt
Sydney		Australia
Tarragona	Port of Tarragona	Spain
Tenerife	Largest and most populated of the Canary Islands	Spain
The Bahamas	Consisting of more than 700 islands, cays and islets in the Atlantic Ocean	The Bahamas
The Solent	The Solent is a straight that separates the Isle of Wight from the mainland of England	UK
Tokyo Bay	Bay of Tokyo, Port of Tokio, Tokyo City	Japan
UAE Coastline	Strait of Hormuz, Dubai/Jebel Ali, Abu Dhabi/Zayed Port/Khalifa Port, Fujairah	UAE
Veracruz Ampliacion		Mexico

Other specific environments can be developed by VSTEP at the request of the customer. The NAUTIS Port Creation software tool can be purchased to create new port environments. The next images show a port in NAUTIS, as an example of the visual quality level.



Figure 1. Screenshots from NAUTIS 3, the latest software version of VSTEP's maritime simulators.

2. NAUTIS 3 Environment Modules

2.1 NAUTIS 3 Small Environments Module

The NAUTIS 3 Small Environments Module includes the environments listed below.

NAUTIS Standard Environments	Description	Country
Strait of Bosphorus	The Bosphorus Strait connects the Black Sea with the Sea of Marmara and by extension via the Dardanelles the Aegean and Mediterranean Seas	Turkey
English Channel	English Channel including Calais and Dover	UK and France
New York approach	Including Newark and approach	United States
San Francisco	Port of San Francisco	United States
Hong Kong	Port of Hong Kong	China

2.2 NAUTIS 3 Medium Environments Module

The NAUTIS 3 Medium Environments Module includes the environments listed below.

NAUTIS Standard Environments	Description	Country
Strait of Bosphorus	The Bosphorus Strait connects the Black Sea with the Sea of Marmara and by extension via the Dardanelles the Aegean and Mediterranean Seas	Turkey
English Channel	English Channel including Calais and Dover	UK and France
Strait of Gibraltar	Narrow strait connecting the Atlantic Ocean to the Mediterranean Sea and separates Gibraltar and Spain from Morocco and Ceuta	UK
Rotterdam	Including the Dutch area 'Drechtsteden' - covering the rivers between Heinoord and Rotterdam to the west, to Bergambacht and Sliedrecht to the east and Dordtsche Kil to the south).	The Netherlands
New York approach	Including Newark and approach	United States
San Francisco	Port of San Francisco	United States
Rio de Janeiro	Port of Rio de Janeiro	Brazil
Hong Kong	Port of Hong Kong	China
Singapore	Port of Singapore	Singapore
Strait of Hormuz	Strait between the Gulf of Oman and the Persian Gulf	UAE, Iran, Oman

2.3 NAUTIS 3 Inland Environments

List of Inland Environments

NAUTIS Inland Environments	Description	Country
Antwerp Approach	Port of Antwerp, including Westerschelde, Vlissingen, Terneuzen, Hansweert, Gent, Zeebrugge, Albert canal.	Belgium, The Netherlands, France
Bratislava	Danube river at Bratislava city center from Lužný most (bridge) to Most Lanfranconi (bridge)	Slovakia
Den Helder to Urk and Harlingen	Den Helder, Wadden islands, Waddenzee, Harlingen to Leeuwarden and Drachten, IJsselmeer, Urk	The Netherlands
German Bight	Hamburg, Elbe. Cuxhaven, North Sea, Bremerhaven	Germany
Groningen	Including Van Starckenborghkanaal	The Netherlands
Harlingen to Leeuwarden	Harlingen, Leeuwarden, Afsluitdijk, Terschelling, Vlieland	The Netherlands
IJmuiden to Amsterdam	Port of IJmuiden, port of Amsterdam, IJ, North Sea canal	The Netherlands
Koblenz to Mainz	Koblenz, Boppard, Bingen, Mainz	Germany
Mississippi, New Orleans	Mississippi river from Welcome to New Orleans	United States
Nieuwegein, Everdingen to Groot-Ammers	A sailing area of the River Lek from Hagestein to Groot-Ammers, including the locks at Vianen and Beatrixsluizen Vreeswijk	The Netherlands
Nijmegen to Tiel	Nijmegen, Tiel, Waal river, Prins Bernardsluizen	The Netherlands
Lake Erie, Toledo to Detroit	Western part of Lake Erie. Maumee river until Toledo. Detroit river until Southern area of Detroit.	United States
Rotterdam	Including the Dutch area 'Drechtsteden'- covering the rivers between Heinenoord and Rotterdam to the west, to Bergambacht and Sliedrecht to the east and Dordtsche Kil to the south.	The Netherlands