



STAR Center

Simulation, Training, Assessment & Research

2 West Dixie Highway • Dania Beach, Florida 33004
TEL 954-921-7254 • 800-445-4522 • FAX 954-920-4268 • 800-431-8815
www.star-center.com



ISO 9001
Certificate No. 38806

Form 1016.1B (01/25)

HYDRODYNAMIC SHIP MODELS

Located in Dania Beach, Florida, STAR CENTER has one of the world's largest libraries of validated hydrodynamic ship models. We are proud to be the only US maritime training facility with our own in-house hydrodynamicist to build new ship response models for our customers. Our current ship response library has more than hundred twenty (150) validated ship models, all of which are available to our customers. A sample of our library is shown below:

ATB / ITB

342K BBL Lightering ATB w /
12,060 HP Tugboat
215K BBL Barge w /
6,000 HP Tugboat ITB Unit
30K DWT Barge w /
9,000 HP Tugboat ITB Unit
31K DWT Barge w /
9,000 HP Tugboat ITB Unit
30,758K DWT Barge w /
6,000 HP Tugboat ATB Unit
4,000 m³ LNG Barge w /
1,600 HP Tugboat ATB Unit

Bulk Carriers

46k DWT Bulk Carrier
48k DWT Bulk Carrier
53k DWT Bulk Carrier
57k DWT Bulk Carrier
58k DWT Bulk Carrier
64k DWT Bulk Carrier
68k DWT Bulk Carrier
82k DWT Bulk Carrier
84k DWT Bulk Carrier
114k DWT Bulk Carrier
118k DWT Bulk Carrier
136k DWT Bulk Carrier
152k DWT Bulk Carrier
206k DWT Bulk Carrier
250k DWT Bulk Carrier

Containerships

1,036 TEU Containership
1,129 TEU Containership
1,438 TEU Containership
1,712 TEU Containership
2,073 TEU Containership
2,400 TEU Containership
2,886 TEU Containership
3,100 TEU Containership
3,630 TEU Containership
3,752 TEU Containership
4,281 TEU Containership
4,319 TEU Containership
4,340 TEU Containership
4,500 TEU Containership
4,614 TEU Containership
4,814 TEU Containership
5,018 TEU Containership
6,000 TEU Containership
6,188 TEU Containership
6,456 TEU Containership
6,600 TEU Containership
7,000 TEU Containership
8,749 TEU Containership
9,100 TEU Containership
9,403 TEU Containership
9,954 TEU Containership
10,100 TEU Containership
10,062 TEU Containership
10,500 TEU Containership
13,100 TEU Containership
13,800 TEU Containership
14,000 TEU Containership
14,354 TEU Containership
15,500 TEU Containership
16,022 TEU Containership
17,816 TEU Containership
18,340 TEU Containership

Cruise Ships

Arctic Pride
Carnival Conquest
Carnival Dream
Carnival Paradise
Carnival Spirit
Carnival Iona
Celebrity Millennium
Celebrity Solstice
Cunard - Queen Mary 2
Disney Dream
Disney Magic
NCL – Norwegian Bliss
NCL - Norwegian Breakaway
NCL - Norwegian Epic
NCL – Norwegian Gem
NCL - Norwegian Sky
MSC Divina
MSC Grandiosa
MSC Seashore
MSC Seaside
MSC World Europa
Caribbean Princess
Coral Princess
Diamond Princess
Golden Princess
Pullmantur - Zenith
RCCL - Enchantment of the Seas
RCCL - Freedom of the Seas
RCCL - Icon of the Seas
RCCL - Majesty of the Seas
RCCL - Oasis of the Seas
RCCL - Quantum of the Seas
RCCL - Radiance of the Seas
RCCL - Rhapsody of the Seas
RCCL - Voyager of the Seas
Star Cruises - Superstar Libra
Marella Discovery

STAR Center admits students of any race, color, national and ethnic origin or sex.



HYDRODYNAMIC SHIP MODELS

(Cont.)

General Cargo/Break Bulk Ship

- 3.5K GT General Cargo Ship
- 7.9K DWT General Cargo Ship
- 11K DWT General Cargo Ship
- 25K GT Breakbulk Cargo Ship

Great Lakes Vessels

- 634' Great Lakes Bulk Carrier
- 650' Great Lakes Bulk Carrier
- 680' Great Lakes Bulk Carrier
- 730' Great Lakes Bulk Carrier
- 767' Great Lakes Bulk Carrier
- 858' Great Lakes Bulk Carrier
- 1000' Great Lakes Bulk Carrier

Inland Push boat unit(s)

- Various Push boats and
- Barge Trains

LNG Carrier

- 125K m³ LNG Carrier (spherical)
- 135K m³ LNG Carrier (membrane)
- 138K m³ LNG Carrier (spherical)
- 174K m³ LNG Carrier (spherical)
- 177K m³ LNG Carrier (membrane)
- 180K m³ LNG Carrier (membrane)
- 206K m³ LNG Carrier (membrane)
- 210K m³ LNG Carrier (membrane)
- 217K m³ LNG Carrier (membrane)

Passenger Ferries

- 27K GT Ferry
- 55K GT Ferry

RO/RO

- 95.3m Ro/Ro
- 198.0m Car Carrier
- 200.0m Car Carrier
- 209.8m Ro/Ro
- 219.5m Con/Ro
- 227.9m Car Carrier
- 205.2m Logistics Vessel
- 230.0m Pa/Ro
- 230.1m Logistics Vessel
- 265.0m Car Carrier

Tug(s)

- 2,447 HP Tugboat
- 3,000 HP Tugboat
- 4,000 HP Tugboat
- 4,976 HP Tugboat
- 5,710 HP Tugboat
- 6,000 HP Tugboat
- 6,387 HP Tugboat
- 6,600 HP Tugboat
- 6,868 HP Tugboat
- 7,199 HP Tugboat
- 7,340 HP Tugboat
- 7,835 HP Tugboat
- 10,441 HP Tugboat
- 12,000 HP Tugboat
- Various Tug and Barge types

Tankers

(chemical, product, LPG, crude oil, VLCC)

- 15K DWT Tanker
- 26K DWT Tanker
- 28K DWT Tanker
- 31K DWT Tanker
- 32K DWT Tanker
- 35K DWT Tanker
- 37K DWT Tanker
- 41K DWT Tanker
- 42K DWT Tanker
- 46K DWT Tanker
- 47K DWT Tanker
- 49K DWT Tanker
- 50K DWT Tanker
- 53K DWT Tanker
- 54K DWT Tanker
- 69K DWT Tanker
- 73K DWT Tanker
- 74K DWT Tanker
- 78K DWT Tanker
- 84K DWT Tanker
- 107K DWT Tanker
- 110K DWT Tanker
- 115K DWT Tanker
- 127K DWT Tanker
- 142K DWT Tanker
- 150K DWT Tanker
- 156K DWT Tanker
- 159K DWT Tanker
- 300K DWT Tanker
- 302K DWT Tanker
- 306K DWT Tanker