

Marine Atlantic's Fleet Backgrounder

With the deployment next year of the two newly acquired vessels, Marine Atlantic Inc. (MAI)'s fleet will be poised to provide adequate capacity and reliability to meet the traffic demand. Between 2008, when the MV *Atlantic Vision* first entered into service, and 2011, when MAI's two newly acquired vessels enter service, the capacity of the fleet will have increased by approximately 45 per cent. The average age of the fleet will also decrease significantly, from the current age of 21 years down to eight years.

Marine Atlantic is pleased to present its fleet, a key to moving the Corporation forward. Some of the fleet's specifications and facts are outlined below.

Two newly acquired charter Sea Bridger class vessels –Stena

Built	2006 and 2007
MAI Charter	2011
Service Speed	22 knots
Length	199.5 m
Breadth	26.7 m



MV *Atlantic Vision*

Built	2002
MAI Charter	2008
Service Speed	22 knots
Length	203 m
Breadth	25 m



MV *Leif Ericson*

Built	1991
MAI Charter	2001
Service Speed	18 knots
Length	179 m
Breadth	25 m



Atlantic Seabridger Class Vessel Backgrounder

After conversion and at the time of delivery, the vessels shall be in accordance with the following description:

Built	2006 & 2007
DWT	approximately 6500 ts on 6.0m draft
Regulations	SOLAS & TCMS compliant
Class	DNV 1A1 ICE-1A
LOA / LPP	199.5 m / 182.3 m
Beam	26.7 m
Draft	6.0 m design (Air draft in ballast condition: 40m)
Service Speed	22 knots
Cargo Capacity	2840 Lane Meters (lane width 3.1m)
Ramps	Two tier Loading Bow and Aft, Hoistable ramps and partly fixed ramp to Deck 1
Deck Heights	Deck 5: 5.2 meters Deck 3: 5.0 meters Deck 1: 5.0 meters
Passenger Capacity	1000 persons including crew (regulation)
Cabins	50 x 4-bed cabins, 50 x 2-bed cabins
Passenger Areas	Restaurant, bar, shop, catering outlets, seating lounges, reception
Main engines	2 x 10.800 kW each, MAN B&W
Aux. engines	2 x 1590 kW each, Mitsubishi
Bow thrusters	3 thrusters, total 4,700 kW
Stabilizers	Fin stabilizers (port and starboard)

MV Atlantic Vision Backgrounder

In 2008, MAI signed an agreement to charter the MV *Atlantic Vision* for five years, with the option to renew the agreement. This vessel offers increased capacity, increased speed, and improved ice maneuverability.

Built	2002
DWT	5525 t
Regulations	SOLAS 90
Class	IAA, + AMS, +ACCU
Ice class	IAA/Finnish IA Super
LOA / LPP	203.3 m / 187.197 m
Beam	25 m
Draft	6.58 m
Speed	22 knots (service), 27 knots (maximum)
Cargo Capacity	1923.6 m(Truck Lane Meters); 502.3m(Car Lane Meters)
Ramps	Bow ramp and widths: 4.5 x 5 (D3), 4.5 x 5 (D5) Stern ramp and widths: 4.7 x 8.8 (D3), 4.5x 6.1 (D5)
Deck Heights	Free height on car deck: 2.2m(D1), 2.95m(D2), 4.5m(D3), 4.8m(D5)
Passenger Capacity	1054 including crew (regulation)
Cabins	196
Passenger Areas	Buffet restaurant, a la carte restaurant, snack bar, lounge area, seating lounges, reception
Main engines	4 x Wartsila-Sulzer NSD 16 Z AV 40S
Aux. engines	3 x MAN 8L 28/32 H
Bow thrusters	2x 1910 KW
Stabilizers	Retractable fins

- First year of service, carried 40 per cent of all MAI's passenger traffic across the Gulf.
- Reliability: operated 336 days with a total of 772 trips in 2009/10.
- There were a total of 3 occasions when the MV *Atlantic Vision* could not dock at Port aux Basques due to high winds when others vessels in the fleet were able to dock.
- Average on time performance (excluding weather delays) of 70 per cent during its first year.
- Four engines can generate up to 61,700 horsepower with top speed 27 knots; achieves best fuel economy at 22 knots.
- Will operate on the Port aux Basques – North Sydney route in 2010
- MAI's intention is to operate MV *Atlantic Vision* on Argentia – North Sydney route beginning the 2011 summer season.

Vessel modifications

- In response to customer feedback, 18 cabins on the sixth deck of the MV *Atlantic Vision* were recently removed to make room for 113 new comfortable reclining seats. This is expected to be completed by mid-June, 2010.
- MAI is installing new men's and women's washrooms, as well as a new accessible washroom, on the sixth deck of the MV *Atlantic Vision*.

MV Leif Ericson **Backgrounder**

The *MV Leif Ericson* was purchased by Marine Atlantic in 2001.

Built	1991
DWT	4,513 tons
Regulations	SOLAS
Class	DNV 1A1 General Cargo Carrier Ro-Ro; Ice Class - 1B
Length	157.28 m
Beam	24.3 m
Draft	5.515 m
Service Speed	18 knots
Cargo Capacity	1550 Lane Meters
Ramps	Ro-ro bow and stern loading
Deck Heights	4.5 Deck 3/5
Passenger Capacity	500
Cabins	39 X 4 berths
Passenger Areas	Cafeteria, bar lounge, seating lounge, children's area, gift shop
Main engines	2 X Sulzer 8 ZAL40S
Aux. engines	3XMitsubishi S6R2 each at 670 kw and 1xwartsila 4R32E at 1640 KW
Stabilizers	Fin

- Operates a dedicated commercial ferry
- Is Marine Atlantic's primary vessel used for the transportation of dangerous goods