



## Overview

### CASE STUDY:

Catamaran Passenger Vessel 32 M

### PRODUCT:

Main propulsion engine:  
2 X 12M26.3

### CLASSIFICATION SOCIETY:

BKI

### DUTY:

Main engines: Heavy Duty

### POWER OUTPUT:

1500 HP @ 2200 RPM

### APPLICATION:

Marine Propulsion

### PARTNERS:

PT. Putri Anggreni Global Group :  
Shipowner

PT. Semangat Maritim Indonesia :  
Distributor

Following COVID-19, more people are traveling to Johor, Malaysia, and Batam, Indonesia. The owner and ship operator took the crucial choice to invest in the building of new ships as a response to this circumstance. The owner wants to grow and fortify its position in the passenger ship industry, particularly on long-haul routes between these two nations.

With a catamaran hull design, MV Putri Anggreni 07, built by Batam Shipyard from an aluminum catamaran hull, will operate between Malaysia and Indonesia. The ship is 32 meters long and can accommodate 208 people, with a mix of regular and VIP seating.

In addition to requiring a ship that is comfortable for its passengers, the owner takes operational dependability and efficiency into account. Naturally, a careful process goes into selecting the Baudouin engine 12M26.3 as the primary engine. It is an important factor both technically and commercially.

From a technical standpoint, the engine's performance, size, and weight are the main factors to take into account. Given that the passenger catamaran's goal is to reduce journey time by thirty percent while utilizing more fuel-efficient fuel, careful analysis of the propulsion system architecture is essential. By giving the shipyard and ship designer more assistance, Baudouin was able to recognize this.

Apart from that, a commercial consideration that is also crucial because it continuously affects business is operation costs. The results after conducting ship trials in Batam Sea water area, the ship can reach a maximum speed of 32-33 knots, with an operational speed of 27 knots for fuel consumption of 180-185 liters/hour per engine. Where with these results the owner's goals can be achieved to the maximum.

- Service Date: February 2024
- Cruise Speed: 27 knots
- Capacity: 208 passengers
- Tier: Tier II
- Hull: CATAMARAN, Aluminum.

#### Client testimonial

*"I'm thrilled to share that our fifth Aluminum Ferry is our best yet in terms of performance and comfort. This success is thanks to the experienced project team and great support from our engine partner, Baudouin. Their help in both technical and business aspects has been crucial. Our partnership goes beyond the shipbuilding project as we will be operating the ferry as well. I'm excited about the promising future ahead through this collaboration"*

**Mr. M. Tobrison , Managing Director , PT. Putri Anggreni Global Group**

