



NAUTICAN BACKGROUND AND COMPANY PROFILE

Nautican helps companies become more fuel efficient, profitable and environmentally friendly with our high-performance integrated propulsion units and hydralift skegs.



Our independently tested systems have been shown to maximize power while reducing fuel consumption, offering an exceptional return on investment. For decades, Nautican has manufactured ultra-reliable propulsion systems, using only the highest quality materials and construction techniques—and we continue to research and develop new ways to improve efficiency and performance. We work hand-in-hand with our customers to understand their operational needs and identify the best solution for their new construction or retrofit vessels.

OUR MISSION

Our mission is to engineer and manufacture the highest quality marine propulsion systems with the most impressive return on investment. We listen to, and learn from our customers every day and deliver on our promise of improved efficiency, performance and reliability.

OUR BACKGROUND

Founded in 1972 by Josip Gruzling, Nautican Research & Development Ltd pioneered the use of hydrofoils to increase efficiency, and conducted groundbreaking research in hydrodynamics, naval architecture and computing. The company holds multiple patents for Gruzling's unique designs, which include high-efficiency nozzles for boats and hydralift skegs for barges.

In 2020, Outbound Engineering Group LLC and David S. Dumont, P.E. were assigned ownership of the Nautican manufacturing equipment, brand and intellectual property. The complete Nautican product line is now licensed, engineered, manufactured and sold exclusively through Nautican Research & Development Ltd, USA.

WHAT WE DO

Nautican is a marine propulsion company that engineers and manufactures hydrodynamic solutions that increase power and maneuverability, while significantly reducing fuel use and maintenance needs.

For decades, Nautican has manufactured ultra-reliable propulsion systems, using only the highest quality materials and construction techniques—and we continue to conduct research and develop new ways to improve efficiency and performance. We work hand-in-hand with our customers to understand their operational needs and identify the best solutions for their fleet.

In 2003, Nautican developed the Integrated Propulsion Unit, which combines the High Efficiency Nozzle, Triple Rudders, Stators, and Propeller in a fully assembled, ready-to-install unit. The first application was on a retrofit of Northern Transportation's tug, Edgar Kotokak and has been applied for over 15 years on newbuild and retrofit applications. These patented products and Nautican's Hydralift Skegs for barges are key to significant improvements in performance.

We are proud to offer consulting and operational analysis to help customers choose the right solutions for their fleets.

Current Ownership:

David S. Dumont, P.E.
Nautican Research & Development Ltd,
USA, 2020.

Founded:

Nautican Research & Development Ltd
Founded in 1972 by Josip Gruzling.

Products:

- Integrated Propulsion Units
- High Efficiency Nozzles
- Propellers
- Triple Rudders
- Pre-Swirl Stators
- Hydralift Skegs

Other Services:

- Operational Analysis
and Consultation

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