

Fishing ship

OF TOMORROW

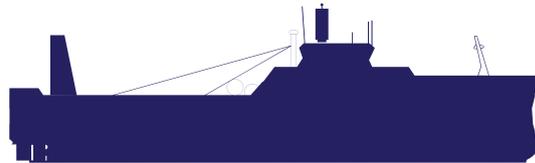
ICELAND obtains 85% of its primary energy from renewable sources. This allows the country to make savings equivalent to one year's GDP every ten years. The utilisation of renewable hydro and geothermal resources has been a driving force in economic development and increased quality of life. Moreover it has led to a significant reduction of GHG emissions by replacing fossil fuels with renewables. Iceland's experience with its unique and sustainable energy mix provides the know-how and technology to lead further developments abroad. Today Icelandic companies are providing their services and knowledge to developed and developing countries alike.



Special focus is now being placed on the fishing industry. Recent efforts to minimize the carbon footprint of the entire fishing industry value chain have resulted in more than 20% decrease in CO2 emissions over a decade. New R&D focused companies are developing energy efficiency solutions aimed at further reducing emissions in the near future.

HEALTHIER OCEANS

CUTTING-EDGE
TRAWL DOORS, SENSORS
AND ELECTRICAL WINCHES
SAVE **15-20%** ENERGY



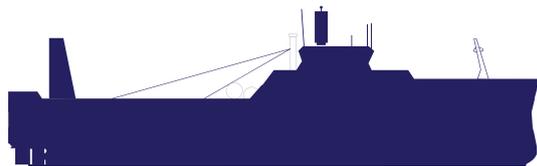
I C E L A N D



When it comes to developing fishing gear, healthier oceans, respect for the environment and accuracy are the main priorities. Reducing the impact of all activities, being responsible, effective and conscious of quality is of vital importance. Examples of the cutting edge technology that is being offered are bottom trawls that hardly touch the bottom, are easier to handle and last longer than regular trawls, controllable trawl doors that float above the seabed along with state of the art sensors and electrical winches that can increase accuracy and drastically reduce energy consumption.

THE COMPANIES

Hampidjan	<i>hampidjan.is</i>
Polar Fishing Gear	<i>polardoors.com</i>
Naust Marine	<i>naustmarine.is</i>
Marport	<i>marport.com</i>



I C E L A N D



HIGH QUALITY
FISH PROCESSING
ON BOARD WITH
100%
UTILIZATION
OF FISH

QUALITY



As soon as the fish has been caught, it is essential to handle the valuable raw material in the right way. Good processing technology is one of the key elements, besides cooling and transportation. Icelandic processing solutions include accurate onboard graders with advanced motion compensation, automatic pin bone and portion cutters, skinning, heading and filleting machines, on-board fish protein plants and marine scales specifically designed for use on board fishing vessels.

Through reliable new technology that improves production processes, productivity and use of raw materials, Iceland has become a world leader when it comes to utilizing the whole fish.

THE COMPANIES

Marel *marel.com*

Valka *valka.is*

Vélfag *velfag.is*

Skaginn *skaginn.is*

3xtechnology.is *3xtechnology.is*

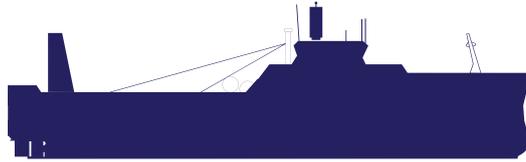
Curio *curio.is*

Héðinn *hedinn.is*

Frost *frost.is*

ThorIce *thorice.is*

Controlant *controlant.com*



I C E L A N D

INNOVATIVE SOFTWARE
IMPROVES EFFICIENCY AND
TRACEABILITY AND SAVES UP TO

10% ENERGY

GREEN



Saving on the cost of oil and reducing pollution is also done through leading optimization software and control systems. Number of companies within the IT sector are working on solutions for the fishing industry, focusing on solutions that can increase efficiency, traceability and offer good overview of all activities.

THE COMPANIES

Marorka *marorka.com*

Trackwell *trackwell.com*

Wise *wise.is*

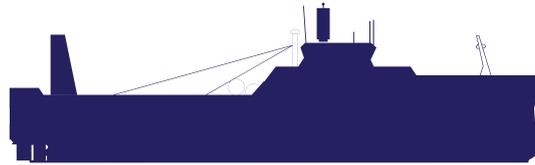
Maintsoft *maintx.net*

Tero *tero.is*

Raf *rafehf.is*

FRESH

REVOLUTIONARY
COOLING METHODS
KEEP SEAFOOD
FRESH ON BOARD



I C E L A N D



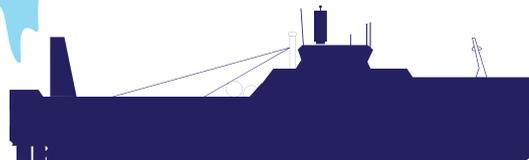
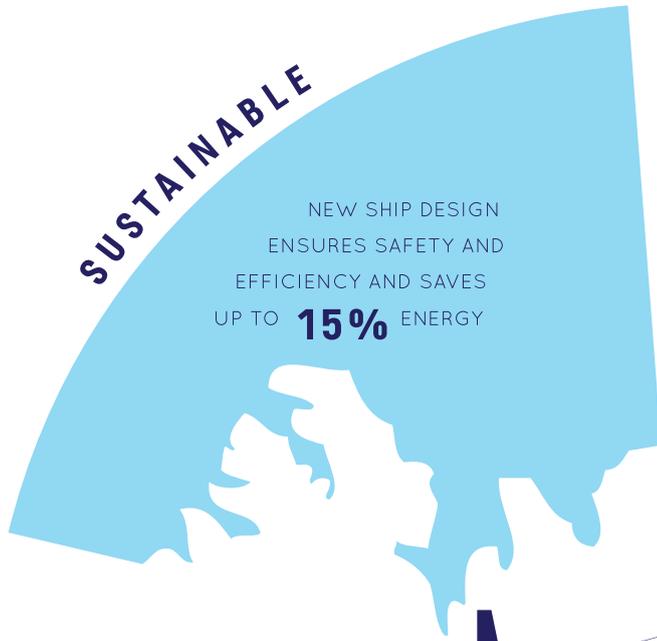
The freshness of seafood products and their transport to the market depends on cooling and packaging solutions that preserve the quality of the raw material. Icelandic companies supply durable yet manageable fish tubs made from recyclable materials, environmentally friendly packaging solutions and revolutionary ice and cooling technology based on rapid chilling. These solutions reduce energy consumption and make it possible to transport chilled seafood products on container ships.

THE COMPANIES

Frost	<i>Frost.is</i>
ThorIce	<i>ThorIce.is</i>
Controlant	<i>controlant.com</i>
Promens	<i>promens.is</i>

SUSTAINABLE

NEW SHIP DESIGN
ENSURES SAFETY AND
EFFICIENCY AND SAVES
UP TO **15%** ENERGY



I C E L A N D



Innovative engineering and consulting firms in the field of naval design are working on improving ship design. Their aim is to find the right balance between operational efficiency, energy saving and good conditions for man, machines and the valuable catch. Reduced resistance and changes in propeller, aft-ship and propeller-nozzle configurations lead to operational economy and better pulling power. Moreover emphasis is put on safety at sea through unique monitoring systems, good equipment and education of fishermen.

THE COMPANIES

Navis	<i>avis.is</i>
Slippurinn	<i>slipp.is</i>
Markus Lifnet	<i>markusnet.com</i>
Nortek	<i>nortek.is</i>





Fishing
ship
OF TOMORROW



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