

Royal  IHC



Creating
the maritime
future

About us

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IHC Engineering Croatia d.o.o. (IEC), is a subsidiary of Dutch based company Royal IHC, a leading supplier of maritime technology and expert craftsmanship, which provides a competitive edge to worldwide customers in the dredging, offshore, mining and defence industries.

Within Royal IHC, IEC is a part of Functional discipline Engineering, which, alongside the design and engineering of vessels and equipment built by Royal IHC's own shipyards, is engaged by ship owners and shipyards around the world to support them with a range of ship design and engineering services. Typically these solutions are tailored to customer requirements.

Royal IHC's customers benefit from:

- an unparalleled track record in projects of all sizes
- the engineering power of over 500 engineers
- extensive experience in equipment integration and design
- all disciplines in-house and full scope – from feasibility studies to workshop drawings
- design for production.

Together, we create the maritime future.





Our approach

The integrated approach allows for a controlled development of a ship design or shipbuilding project. In effect, this starts with the development of a concept design and continues up to a production information package, which ensures that the desired functionality of the vessel is

achieved and the construction risk removed. Along this way, IEC became knowledge centre in detail engineering with continuous collaboration with Royal IHC's yards, same as with the yards of other Clients. Beside detail engineering, IEC continuously grows with providing basic engineering services.

In addition to collaborating with Royal IHC, IEC actively works for external customers as well and other partners to continually develop its expertise in the cruise ship, mega yacht, and special equipment engineering sector.

Considering that Croatia has a long standing tradition in the shipbuilding sector, IEC is perfectly positioned to develop the talented local engineering skills vital to continually delivering exceptional professional standards in the global maritime industry.

Type of vessels

Dredgers :

Hopper, Trailing suction, Backhoe, Cutter suction

Offshore vessels :

Pipelay, Cablelay, Heavy lift, Drilling ship

Other:

Cruise ships, Megayachts, Ferries

Scope of work

Basic Engineering:

Stability calculations. Statutory drawings, Hull, Strength calculations and production plan, Schematics, P&ID

HVAC

Production documentation

Conversions

Detail engineering:

Hull, Pipe Routing, Outfitting





CAD:

Cadmatic, Nupas
Catia V4, Catia V6, E-browser
Tribon M3, Aveva, Siemens NX
AutoCAD, Microstation,
Inventor Rhinoceros, Solid
Works, Solid Edge, Tekla

Structural:

Mars 2000
RulesCalc
Nauticus Hull
DELFTShip

FEA: Bentley

Multiframe
Nauticus 3D
Beam
Siemens
Femap

Development:

TeamCenter

Software we use



Locations

IEC's main office is based in Rijeka, which is the third-largest city in Croatia. As the country's principle seaport, it has an extensive history of shipbuilding and is a desirable place to live.

Due to long term expanded work flow and commitment of delivering localized services, IEC broadened its engineering team in 2018 with a branch office in the picturesque city of Pula. Pula is the largest city in the Istria region, which is also known for its long-standing heritage in the shipbuilding industry

Plan

IEC's plan for the near future is to keep an engineering team stable with its sustainable further development and international orientation.

IEC's employees have the opportunity to deepen their knowledge and to work in the Netherlands, UK, Germany, Malaysia and around the world.

Engineering capacities

IEC engineering capacities:
86 engineers

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Royal IHC

Wim van de Voorde

Director Functional discipline
Engineering / IEC Board Memeber

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