



Marine, Scientific and Technical
Consultants and Surveyors



CHRISTOPHER GASCOIGNE

**Staff Surveyor
(Engineer)**

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Date of Birth 21 November, 1974
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Chris Gascoigne is a marine engineer with a First Class Certificate of Competency (Motor) and additional academic qualifications including an HND in Marine Engineering and a Diploma in Marine Surveying. He joined Brookes Bell in January, 2008.

During his time at sea, Chris served on a variety of vessels including passenger cruise vessels, ro-ro's, tugs and dredgers. He has sailed in several positions of engineering responsibility and has a wide experience of steam, diesel and electric propulsion systems and associated plant. His last sea-going position focussed on oversight of on board environmental compliance, liaising with various corporate and government authorities.

Chris' shore-based experience has included the specification of shipboard environmental systems and the commissioning of prime mover control/power management systems for FPSOs and power stations, including gas turbines and gas-diesel engines. More recently he was involved in the development, and trial, of environmentally adapted sterntube lubricants and biodegradable hydraulic fluids for the marine industry.

Since joining Brookes Bell, Chris has been involved in numerous main and auxiliary machinery failure investigations, salvage and wreck removal. He has also conducted investigations into reefer plant failures and engine room fires.

Chris has carried out condition surveys for P&I Clubs, charterers and shipowners.

Professional Qualifications:

Class One Certificate of Competency (Motor).

Academic Qualifications:

HND in Marine Engineering.

Diploma in Marine Surveying.

Professional Status and Membership of Professional Bodies:

Incorporated Engineer.

Member of the Institute of Marine Engineering, Science and Technology.

Member of the Society of Naval Architects and Marine Engineers.

Other Qualifications/Courses:

3 Day Euro Offshore Survival and Fire-fighting Course, including OPITO BOSIET (Basic Offshore Safety Induction and Emergency Training)

Surveying Employment:

2008 Staff Surveyor, Brookes Bell.

Sea-Going and Other Employment:

2004-2007 Vickers Oils (Marine Business Development Manager).

2003-2004 Holland America Line (Environmental Officer and Second Engineer).

2002-2003 BMT DSL (Platform Systems Design Engineer).

- 2001-2002 Holland America Line (Third Engineer/Safety and Environment Engineer), Dover Harbour Board (Chief Engineer), P&O Ferries (Third Engineer).
- 1998-2001 P&O Cruises (Fourth, Third and Second Engineer).
- 1997-1998 Woodward Governor (Commissioning Engineer).
- 1993-1997 P&O Cruises and Princess Cruises (Cadet to Fourth Engineer).

Nature of Work Recently Undertaken:

Salvage and wreck removal of two high profile casualties.
Main and auxiliary engine failure investigations.
Alleged poor fuel quality and engine/auxiliary equipment damages.
Structural/collision damage to vessels and harbour installations.
Crane damages.
Reefer machinery failure investigation.
Environmental/MARPOL surveys.
Cargo damages.
Investigation into structural damage to oil/gas process installation.
Fire investigation.

Main and Auxiliary Machinery Experience:Main Engines

Götaverken, MAN, Sülzer, Pielstick, Wärtsilä, Rolls-Royce, CAT, Deutz.

Steam Plant

Foster Wheeler ESD & ESD 3 and Aalborg Boilers.
General Electric and Blohm and Voss Steam Turbines.

Auxiliary Equipment

Salt Separation Services Reserve Osmosis Plant.
Atlas, Caird Rayner Clark, Serck Como and Aqua-Chem Evaporator Plant.
Sabroe and Carrier Chillers/Air-conditioners.

MARPOL/Environmental Management Equipment

Alfa Laval, Westfalia, SEREP, Facet Oily Water Separators.

Hamworthy, Zenon, Evac and Jets Grey and Black Water Systems (including Membrane-type Systems).

Norsk Inova Incinerators.

Commissioning/Trials Work:

Commissioning of Control/Power Management System of FPSO.

Factory Acceptance Testing of Gas Turbine Control Systems (Power Station Stand-by Units).

Trials of New Environmentally Adapted Hydraulic and Sterntube Oils on Various Vessels/Installations.

Ship Design Work:

Identification and Specification of Innovative Solutions for Ballast Water Treatment, Oily Water Separation, Black and Grey Water Waste and Incineration of Solids.