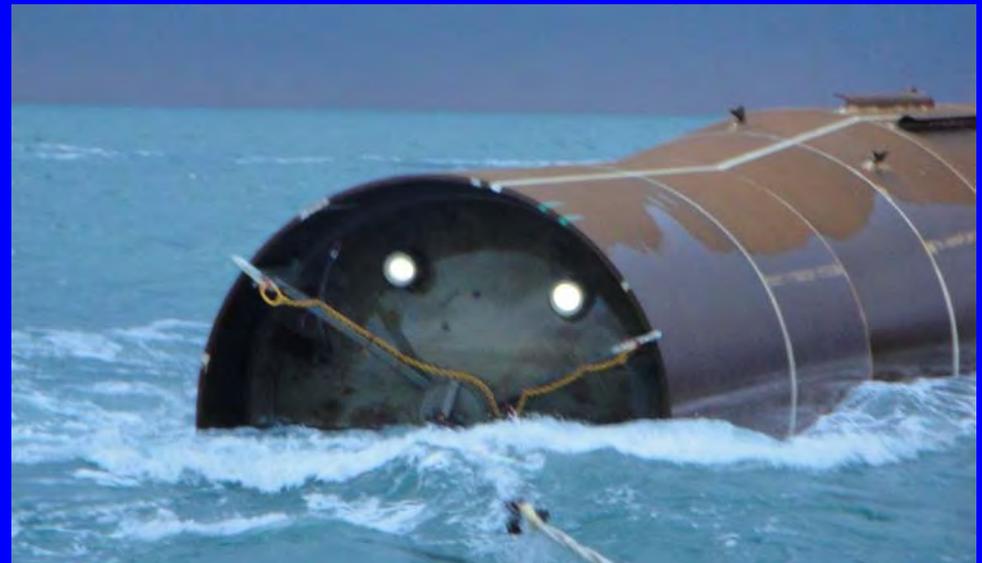
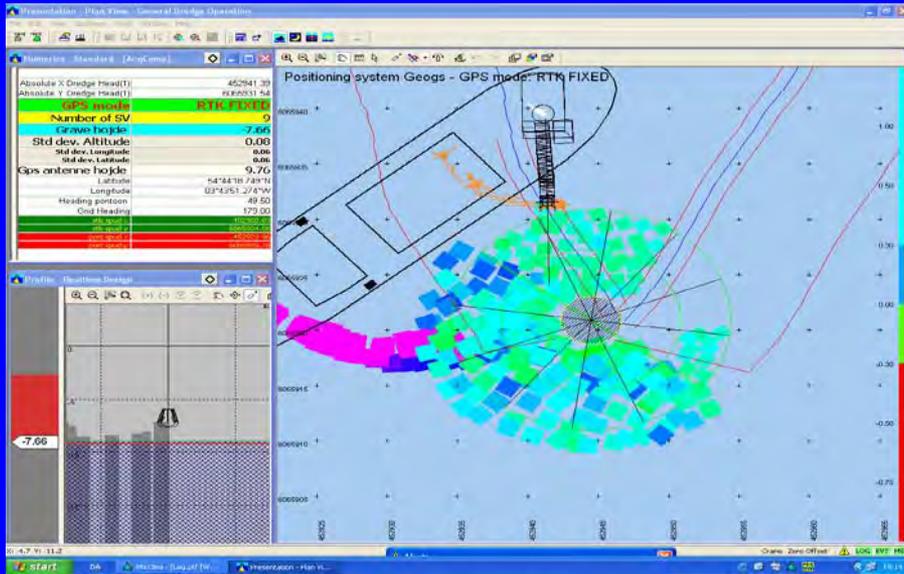


A Look into the Future

My view on how the industry will develop



Technology moving ahead



Making things better



LOC

London Offshore Consultants Ltd

LOC has been established for 29 years and is well respected in the industry for its provision of expert marine advice, support and opinion. We have advised on over 2500 major offshore projects .

Windfarms provide only a small part of our portfolio, much of our work is for the high court and arbitrations where we provide expert evidence on all kinds of shipping matters. We provide MWS to the oil and gas industry as well as maintaining a design staff who specialize in offshore mooring and turret design.

We have a world wide staff over over 160 experts in our UK and International Offices. Our staff is made up of Master Mariners, Naval Architects, Maritime Civil Engineers.

We have been involved in Offshore Windfarms since 2001 and have undertaken Maritime Studies, HAZOP Studies, Risk Assessments on 16 projects.

We have also undertaken the MWS (Marine Warranty Surveying) required as part of the Construction All Risk insurance policies on 12 windfarms. We are currently providing these on Greater Gabbard, Lincs, and Bligh Bank. We have successful completed Arklow, Scroby,

Rigg Kentish Flats, Lynn and Inner Dowsing, Q8, Egmond Am Zee, Lillgrund, Robin and Rodsand.

Ibex House, 42-47 Minories, London, EC3N 1DY
Tel: +44 20 7264 3250 Fax: +44 20 7264 3251



LOC

Email : loc@loc-group.com Web Site: www.loc-group.com

Captain Mike Frampton

With the new development of Offshore Wind Farms he has undertaken Navigational Risk Assessments for the Greater Gabbard and six other offshore wind farms and assisted in preparing EIAs. He provides marine advice and has recently co-authored the BWEA's guidelines for jack-up operations.

He manages, with his team, the marine warranty work for the current projects Greater Gabbard, Lincs, Bligh Bank and Rodsand. Offering expert advice, surveying the installation vessels and attending for the transportation and installation.

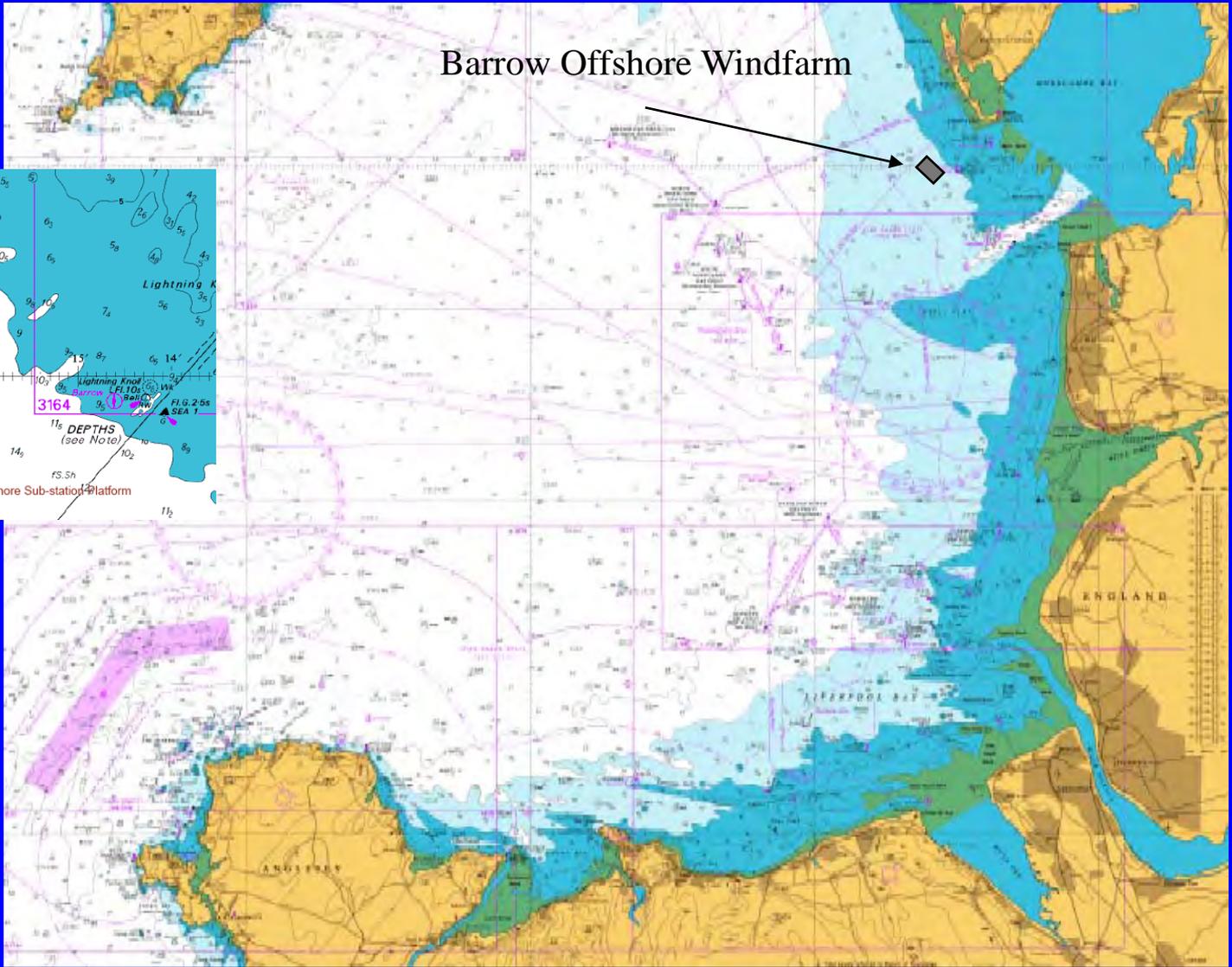
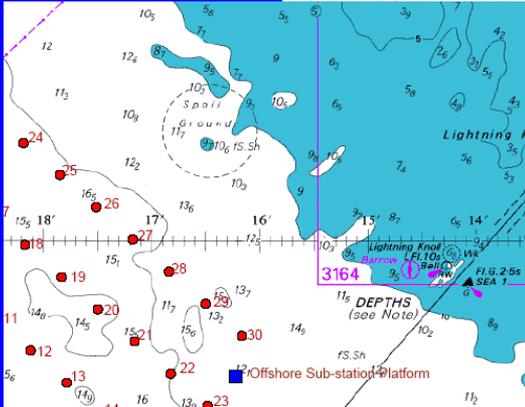
He is an accredited expert witness and has given evidence in five arbitrations and to the House of Commons Transport Committee as part of its inquiries for the Energy Bill as well as preparing many expert reports. He has extensive experience of shipping casualties and has led several major emergency responses and is approved as one of the UK's salvage advisors.

He is an experienced Master Mariner and Naval Architect with a seafaring career spanning 17 years with an Shell International Trading and shipping.

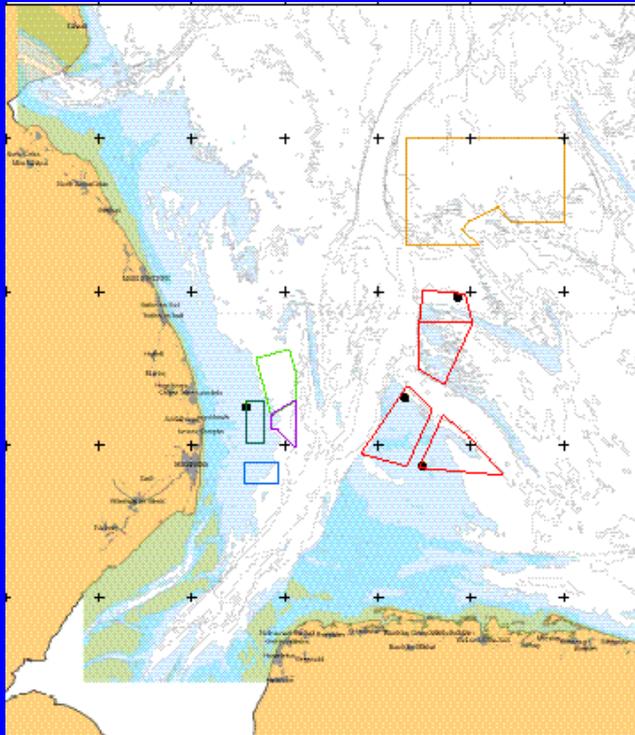
This was followed 13 years ashore as Commercial Operations Manager where he was responsible for the day to day commercial direction of a fleet of over 130 vessels and then as Casualty Manager where he led 7 major casualty responses, plus other posts including Head of Cargo Documentation and Senior Economist. These posts provided a wealth of expertise before joining LOC in 2000.



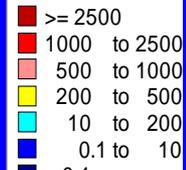
Barrow Offshore Windfarm



Is there enough room ?



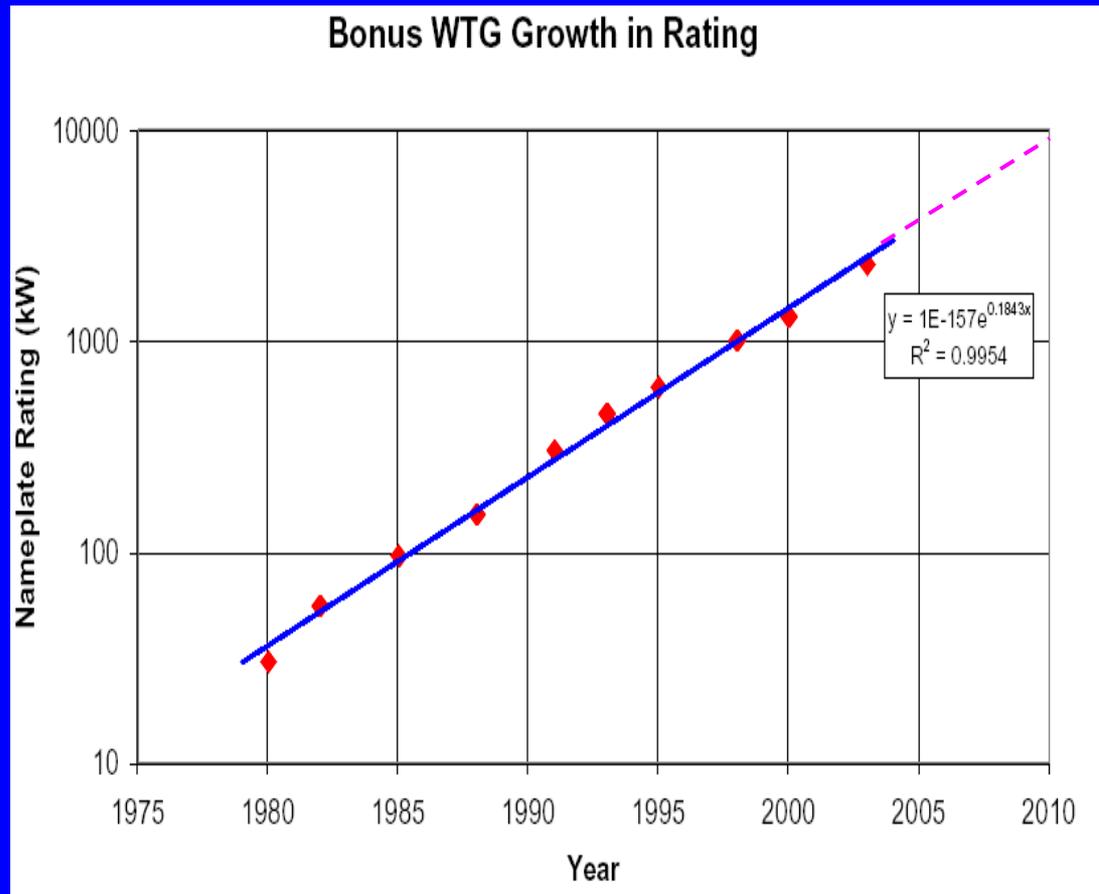
Ships per Year (Merchant)



LOC

Bigger machines

- Evolution or Revolution ?
- Generation costs
 - Falling
- 1 Mw machine
3p per kWh
- 10 MW machine
2 p per kWh



Are You sure I cut the
cable here Boss ?

