



UUM



Copenhagen



DREDGERS – THE HUMAN CHALLENGE

WILLIAM TOBIN

THE SHIPOWNERS PROTECTION
LIMITED

11th SEPTEMBER 2007



Shipowners' P&I Club An Introduction

- Established in 1855
- Member to the International Group of P&I Clubs
- Annual call income US\$110M
- The Club for the smaller and more specialised vessel



CLUB DEVELOPMENT 2004 - 2006

	20.2.05	20.2.06
MEMBERS	6,429	6,427
TONNAGE	11,975,784	13,880,387
VESSELS	25,004	26,486
AVERAGE VESSEL GT	479	524
AV. VESSEL EX F/V GT	561	595
AVERAGE FLEET SIZE	3.86	4.15

THE DREDGING INDUSTRY

- Unique Area of The Shipping Industry
- Todays generation of dredgers are complex to operate requiring highly skilled and trained individuals
- Dredging and construction projects are global adding to logistical difficulties. This often involves Joint Ventures with local partners
- Vessels can be involved in maintenance or capital dredging as well as large maritime construction projects



WHAT ARE THE REQUIREMENTS TO CREW THESE VESSELS?

- Highly skilled and well trained individuals
- Retention of the right people is vitally important
- Many crew such as Dredge Masters spend their shifts behind control panels – quite different to many conventional vessels
- Technology is continually being updated which requires on-going training
- The ability to be innovative is most important – particularly in the construction industry as seen with the extensive land reclamation projects currently underway in the Middle East

- Training can be in-house or external.
- Many of the larger operators have their own training centres equipped with simulators. These facilities are necessary to train crew to operate the state of the art vessels that currently exist.
- External training is organised through associations such as the International Association of Dredging Companies (IADC) and Central Dredging Association (CEDA).
- Management – Motivation.



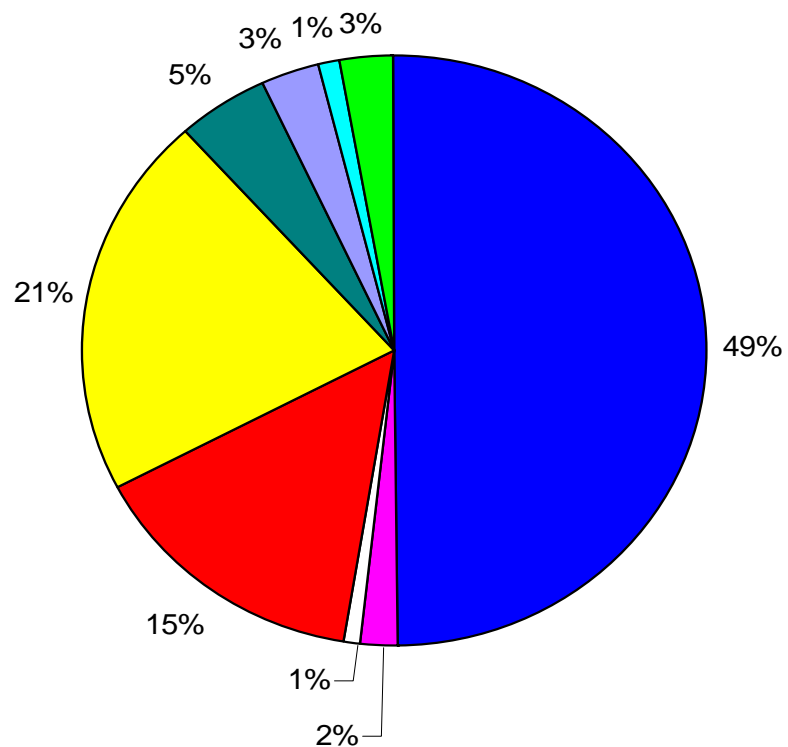
DEVELOPMENT IN THE INDUSTRY

- The Growth in the Global economy has increased demand for shipping services and the Dredging Industry is no exception.
- This brings increased demand for quality crew.
- The complex nature of the business demands lengthy training periods for technical crew.
- This means that replacing the current pool of crew will require substantial investment over a lengthy period of time.
- The Dredging Industry competes with other maritime related industries for top quality personnel, as well as shore based opportunities, which can appear more attractive.

CURRENT CREW ISSUES

- World shortage of quality crew with obvious consequences.
- Officers seeking positions of command too quickly.
- Ongoing difficulty to attract young people to life at sea.
- Commercial pressures.

Dredger Claims Split by Type (2002-2007)



■ Crew

■ Collision

■ Wreck Removal

■ Third Party

■ Fixed & Floating Objects

■ Cargo

□ Stowaway/Detention

■ Pollution

■ Misc.

TYPICAL CLAIMS

- Collision
- FFO
- Damage to pipelines / cables
- Third party personnel / property
- Removal of overside equipment such as Suction Pipes, Cutter Heads
- Hull and Machinery Claim or Wreck Removal?
- Crew Injury, Illness and Death
- Pollution

CONCLUSION

- There is no easy answer to resolving the current crew shortage in the short term
- Ongoing investment in training by the Dredging Industry in training crew is required