

TANKEROPERATOR CONFERENCE, NORSHIPPING

QUALITY TANKER OPERATIONS

Quality

Why Quality?

How to define?

How to measure?

How to achieve?



The Marininvest fleet

M/T Panda



M/T Kirsten



M/T Maribel



M/T Northern Bell

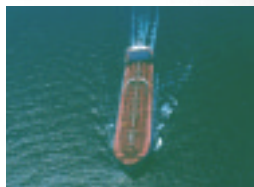


+ 4 Newbuildings


M/T Mariella



M/T Maritina



The Marininvest fleet

Vessels name	Type	DWT/YOB
Northern Bell	Prod / Chem Tanker	83,600/1990
Panda 	Product Tanker	83,600/1987
Kirsten	Prod / Chem Tanker	83,600/1988
Martina	Prod / Chem Tanker	77,750/1986
Mariella	Prod / Chem Tanker	77,750/1986

Newbuildings: Oil/Product Ice 1A 74,999

Est. delivery time:

Q4 2006, Q2 2007, Q4 2007, Q2 2008

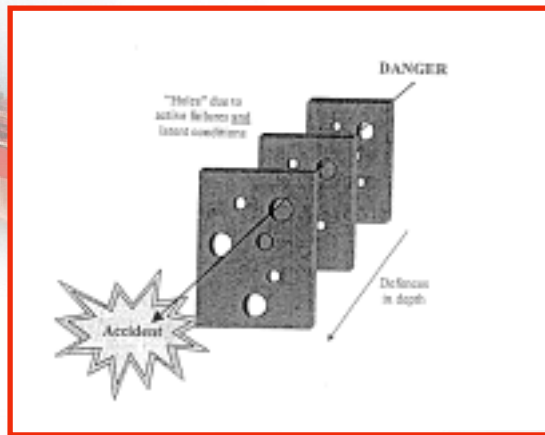


How to define Quality

- Freedom from accidents
- Margin to accident
- Good vetting/PSC result
- Good press/public opinion
- New versus old; AGE?
- Tell me who you deal with and I will tell you who you are....



Quality components



Source: DNV Maritime Solutions



Quality components



Age

- Risk for accidents are increasing with age of ship
 - Older ships are more dangerous than new
- More than 80% of all accidents are caused by human factors
 - Deficiencies attributed to people cause accidents

TRUE?



Tell me who you deal with and I will tell you who you are....

- Classification societies Good – Bad?
- Flags of registry Good – Bad?
- Partners Good – Bad?
- Customers Good – Bad?
- Suppliers Good – Bad?



How to measure Quality

- Flag state rules
- Class rules
- Customer requirements
- Insurance requirement
- Statistics

Inspection regime



ISM

- Procedures
- Continuous improvement
- Root cause analysis

Change of culture



TMSA

- Unilaterally conceived
- Born, doing well?
- Dialogue needed and offered!

Change of culture



How to achieve Quality

INVESTMENTS

TOOLS

ISM/TMSA



Nauticus Construction



Know your ship



Maintenance

