Elements of Dry Bulk Transshipment

Essential Link in Marine Transportation

Overview of Transshipment & Operating Issues presented at IWAI seminar

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Dry Bulk Transshipment - Introduction:

1. Overview and Definitions
2. Development Process & Key Technologies
3. Specialized Equipment Requirements
4. Operational & Safety Management Requirements

‘Where port constraints are a problem - transshipment provides a solution’
Transshipment: The Perception ...

Inefficient

Low Weather Threshold

Slow

Unreliable

Low Volume
Transshipment: The Reality …

Reliable
Safe & Efficient
State of the Art
Oil
Gas
Dry Bulk

Seabulk - Elements of Transshipment
Integrated Shipping Solutions
Transshipment: Evolution of Terms

1. Double Banking
   *Alongside - In Port*

2. STS Transfer
   *Oil - Midstream*

3. Transshipment
   *Dry Bulk - Offshore*

Whatever the term ...
Unparalleled Safety
Transshipment Cycle: 4 Voyage Phases

1. Load Port
2. Loaded Voyage
3. Transshipment
4. Ballast Voyage
Dry Bulk Transshipment: Keys to Success

- The **Right People**
- The **Right Process**
- The **Right Technology**

The most important predictor of transshipment success is experience.