COQG

Navarik’s Services - Cargo Inspection System

9 November 2006

Alex Murray – Product Manager
Navarik Corp.
www.navarik.com
Navarik: Who Are We?

- Founded in 2000 in Vancouver, Canada
- Global cargo shipping systems
- Web based systems since the beginning
- Software as a service
- 4,000 users across 17 production systems
- Extensive system integration experience
Navarik Users & Languages

Languages:
- Cantonese
- Czech
- Dutch
- English
- Farsi
- French
- German
- Greek
- Hindi
- Japanese
- Korean
- Mandarin
- Polish
- Portuguese
- Punjabi
- Russian
- Spanish
- Tagalog
- Ukranian
- Urdu

50 Countries
24 hour support globally
In person training at over 20 locations

Instant Messages  |  24 Hour Phone  |  Issue Tracking
Our User Groups

- Cargo Traders/Operators
- Claims Analysts
- Quality Assurance
- Terminals/Refineries
- Cargo Inspectors
- Vessel Commercial Operators/Charterers
- Agents
Our Systems

- Cargo Inspection Systems
- Voyage Management
- Vessel Screening (Vessel/Barge)
- Vessel Reporting
- Agency
- Vessel Warranty Performance / KPI’s
Our Systems
How Navarik Manages Cargo Quality
Navarik Inspection System

- Over 2000 users in 50 countries
  - 700 + inspectors = large data set
- Manage cargo custody transfers
  - Schedule
  - Quantity & Quality results
  - Oil Loss
- Marine & Non-Marine movements
  - Vessel/Barge, Pipeline, T2T, Railcar
Navarik - Networking Key Stakeholders
Network Stakeholders

- Trading, Refining, Inspectors - within one system
  - Role based users/workspaces
  - Streamline information flows
- Centralize company wide quality data
  - Eliminate data silos
    - One unified datawarehouse = data integrity
- Shared schedule
Including Downstream Operations

- Include refineries into the inspection process
- Provide sample results while cargo is intransit
- Specify new tests/retests before the cargo arrives
- Off-spec alerts for all stakeholders
Navarik - Providing A Holistic View
Holistic View

- Aggregate/trend company wide quality data
- Separate anomalies from trends
- Identify root causes
  - Alteration, degradation, contamination or blending
- Identify root cause patterns
  - Location, means of transport, season, procedure/methods
Search Results For MAYA - CRUDE

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Press Ctrl + Shift key to select multiple items

MAYA CRUDE

Properties

Graph showing properties over time.

Samples

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Navarik Data For Strategic Planning
Strategic Planning

- Data transparency
  - Evidence for producers/negotiations
- Better informed decisions
  - Vessel/company selection
  - Audit campaigns
  - Crude selection
- Assay/modeling decisions
  - Adjust cargo expectations
Navarik - Future For Cargo Quality
Navarik Cargo Quality Future

- Refiner specific user/workspace
- Integrating with Automatic Fiscal Metering Systems
- Individual grade tracking - real time
- Enhanced data mining and editorial
- Integrating with crude modeling systems
## STATUS

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### CARGO PROPERTIES

4. Off Spec Grades
13. Latest Inspection Results
3. New WC Properties

### ASSAY NOMINATIONS

2. Pending
2. Accepted
1. Submitted

> **Inbound**

**Schedule Inbound To** Bill Greehey Refinery

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<thead>
<tr>
<th>VESSEL</th>
<th>GRADE</th>
<th>VOLUME</th>
<th>ETA</th>
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