Silent Inspector Program Status Report

National Dredging Meeting
May 20, 2009
Washington, DC

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Briefing Summary

- Overall Program Status
  - Program and Management Approach
  - Outreach/Communication
- V1.5
- V2.0

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Management and Program Approach

- Program Approach
  - Team Reorganized – Reflects Operations Legacy
  - Latest Proven/Reliable Technology (V2.0)
  - Outreach Focused
    - Meets User Needs
    - Ensure Industry Compatibility
    - Meet Interagency Data requirements for the Corps
  - Fiscally Responsible

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Outreach

- Corps
  - User Group Workshop
  - Board Member Calls
  - DOOM
  - Regulatory PDT
- Industry
  - Group Workshop, PDT
- EPA
  - Data, Regional Issues

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Corps User and Industry Working Group Goals

- Provide Program Update
- Gain Better understanding of each groups needs, issues, concerns
- How can we improve the program
  - Better data, less down time, consistency
- How can we work together to make both of our jobs easier (Inspections, system funct)
- Workshop Format – Maximize two-way dialog, document issues and follow-up.

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Industry Working Group Summary

- Establishment of SI Industry PDT
- Plan of Action – Draft Plan 6/15
- Data – Who, What, Secure
- Inspection/Certification
- Communication

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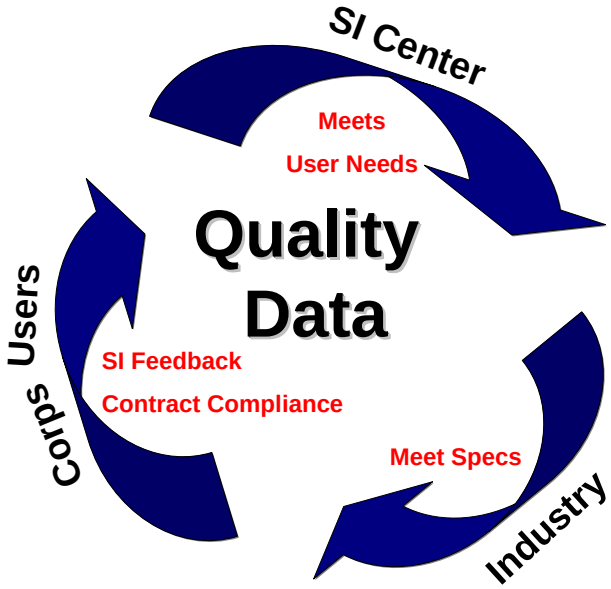
SI Partnership



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SI Program Evolution

- V1.0
  - R&D Developed database
- V1.5
  - Address key deficiencies of 1.0
  - Still Utilizes R&D database, code, less flexibility
- V2.0 – Next Generation System
  - New database flexible to meet Current and Future Corps needs

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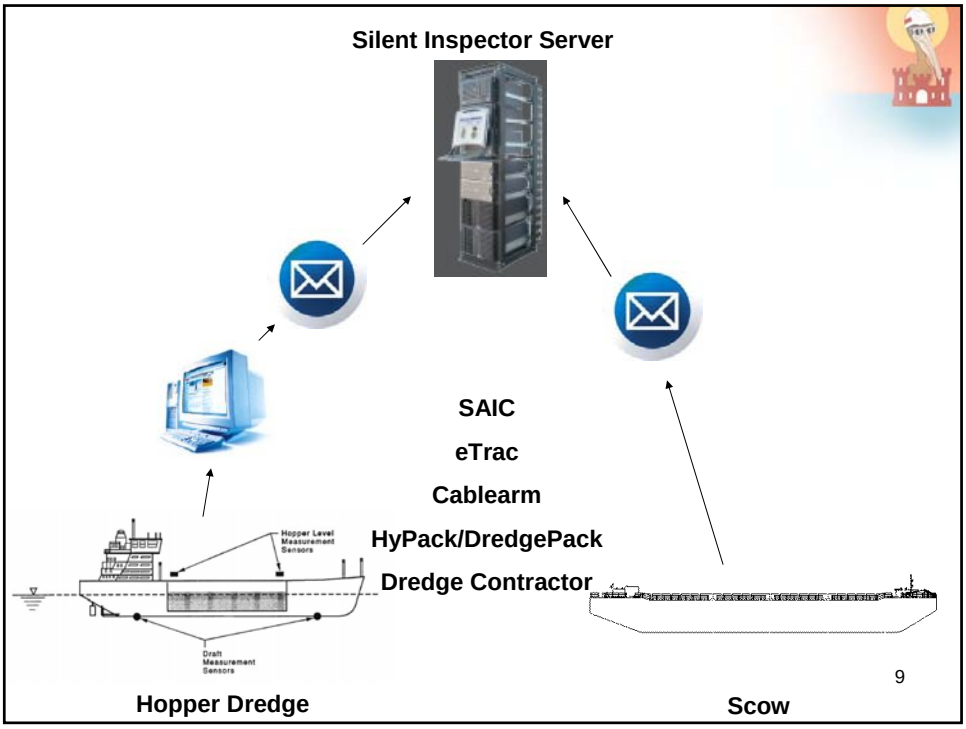

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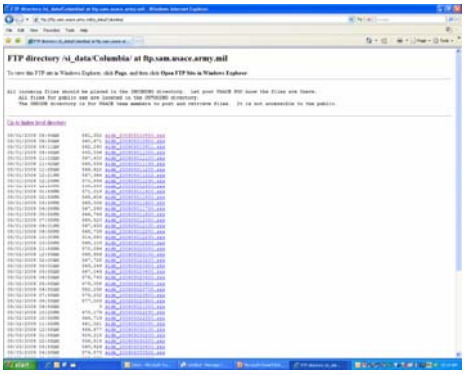
Hopper Dredge Data Transfer V1.5

VScript

Automatic Detail backups



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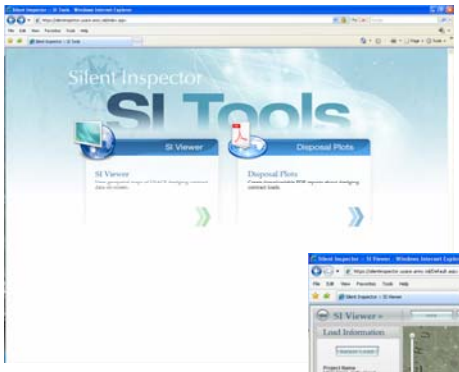
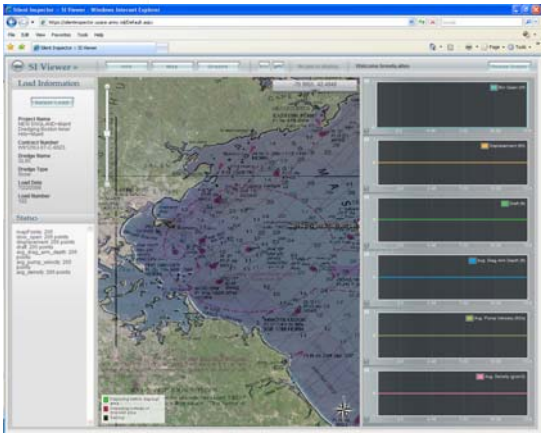


Access the Data
V1.5



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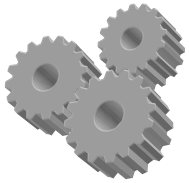
Next Generation V2.0

- Commercial Off-the-Shelf Software (Customized)
- Integrated Web-Based Tools
- Relational Database, Flexible
- 2-Way Communication Hopper
- Near Real-Time Data Access
- Automated Data Integrity Checks, Spatial Analysis, Alerts
- Interagency Needs

Data Pathway

Acquire Data | **Process Data** | **Access Data**



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Acquire Data

Hoppers

- Reduce Hopper On-Board Computer Function/Maintenance
- 2-Way Communication Hopper
- Data Storage at Center
- OPs Display On-Board – Data Stream

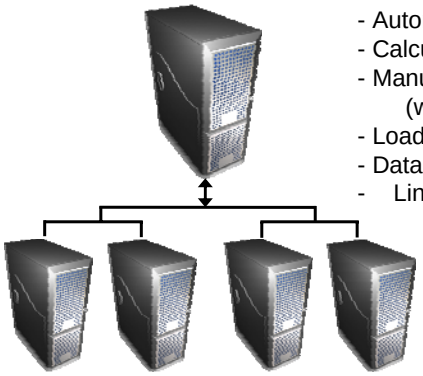
All

- Improved Telemetry
- Data Integrity Alerts from Center
- Web-Based Tools – Previous loads & Near-Real-Time Data

Process Data

- Automated Format Checks
- Automated Alerts

SI Database



DIS RMS CE-Dredge eCoastal Other

- Automated Checks: (Spikes, Gaps, etc)
- Automated Spatial Analysis
- Automated Alerts
- Calculated Cycle #s
- Manual Cleanup (when needed)
- Load & Daily Summaries
- Data Management/Archival
- Link w/Other Databases and Applications

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Access Data

SI Database

View, Graph, Analyze, Export
Disposal Plots, Summaries, Reports

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Summary

- New Program and Management Approach
  - Motivated Team/
  - Proper Coordination/Communication
  - Value Added Program
- Limitations/Needs Identified
- Plan in Place (V2.0)
- Fiscally Sound

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