



EISM Overview for EFCOG ISM Conference

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Enterprise Integrated Safety Management (EISM)
NNSA Provisioned Software

Enterprise Wide Metrics - EISM



NORTHROP GRUMMAN
DEFINING THE FUTURE

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NNSA - Integrated Management System

LLNL

Los Alamos

NSTec

Sandia

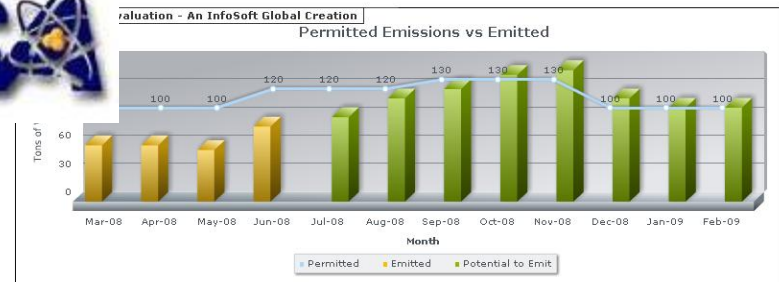
Y-12

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DEFINING THE FUTURE

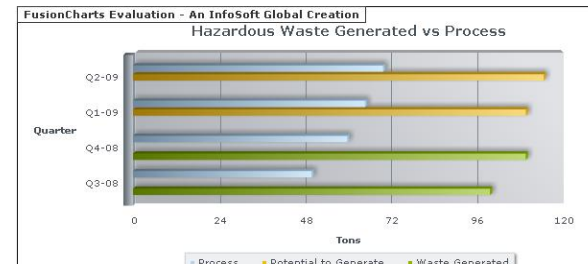
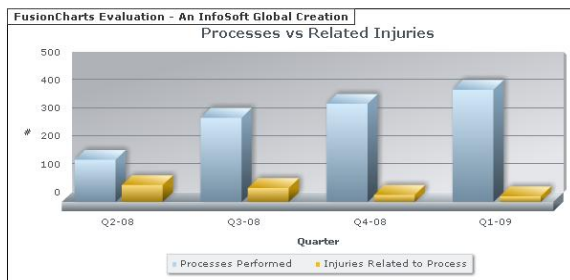
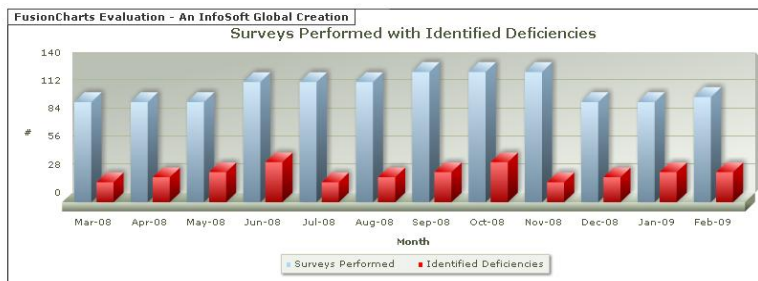
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Environmental Dashboard



Health Dashboard

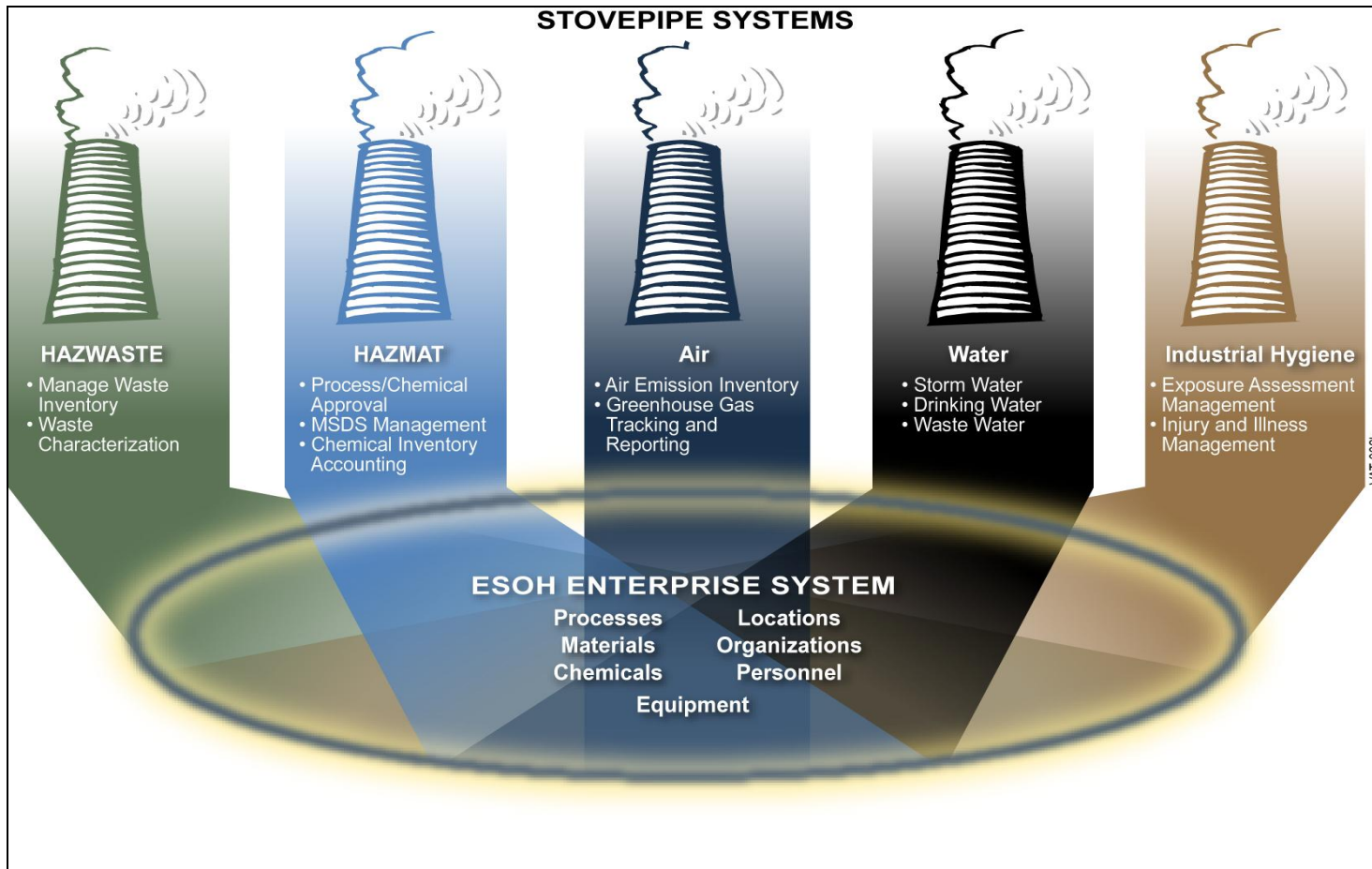


“One Can Only Manage What One Can Measure”

- Requirements to the institutionalization of Enterprise EH&S System
 - Management/Functional Support Commitment
 - Policy Guidance
 - Financial Incentive
 - Taxonomy between functional areas (Common Language)
 - Data Stewardship (Provide the Data)
 - Business Practice/Work Control (Common as possible)
 - Sustainable Measureable Improvement

- Barriers Hindering EH&S Integration
 - Empires/Funding
 - Trust/Respect
 - Crisis Management
 - Integration with other applications

What is an Integrated Enterprise EH&S System



VAT-002b



Taxonomy Between Functions Common Language



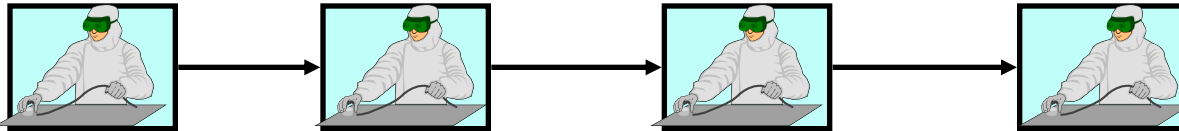
Perform
Specification
Cost?

Material
Cost
Schedule?

SAME WORK PROCESS - DIFFERENT PERSPECTIVES



Quality



Work Control

Exams
Restrictions
Impact?

Energy
Hazards
Controls?

Hazards
PPE
Controls
Risk?

Accidents
Hazards
Risks?

HazMat
Waste
Emissions
Resources
Permits?



Doc



CE



Occ Health



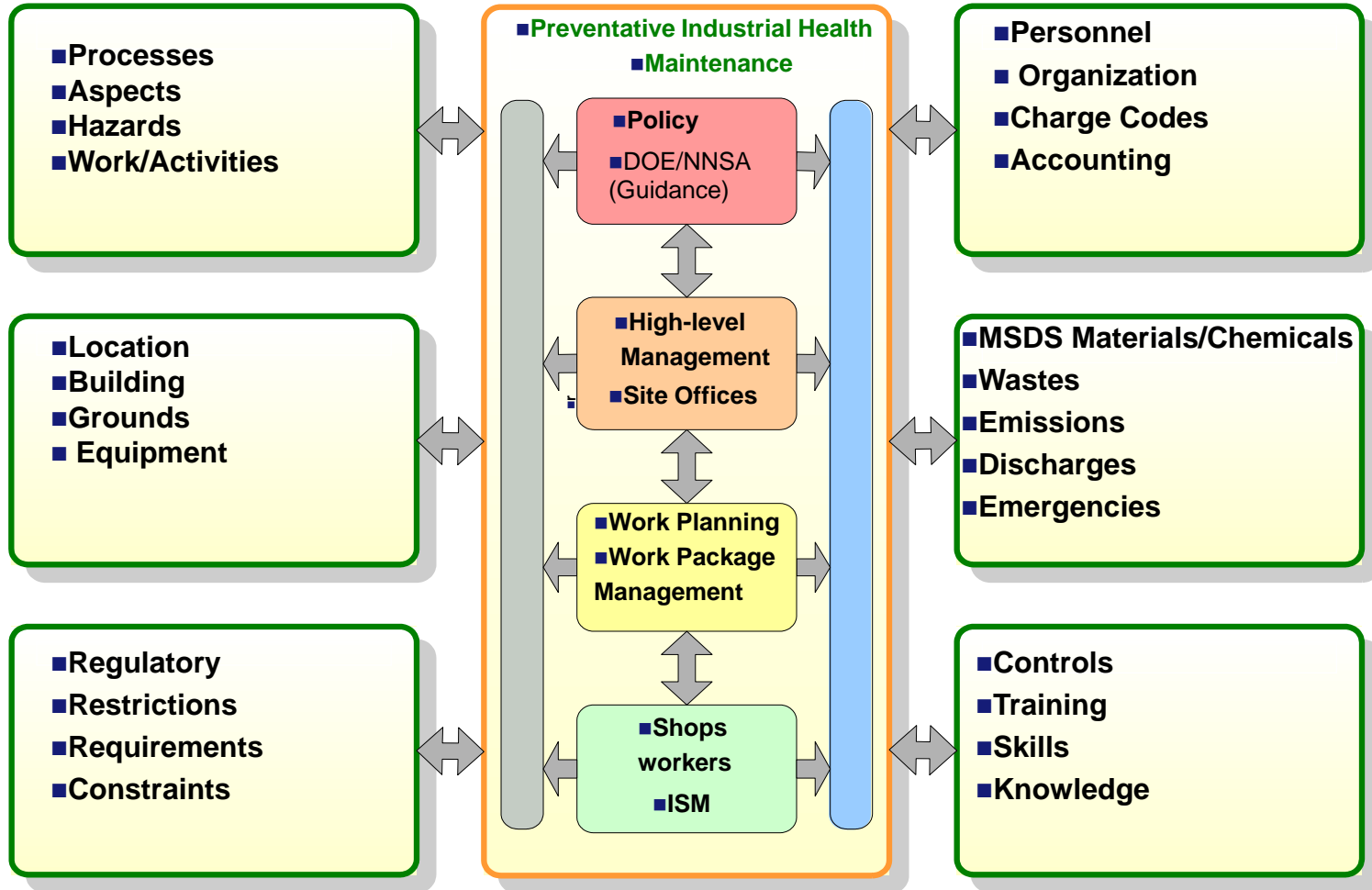
Safety



Environmental

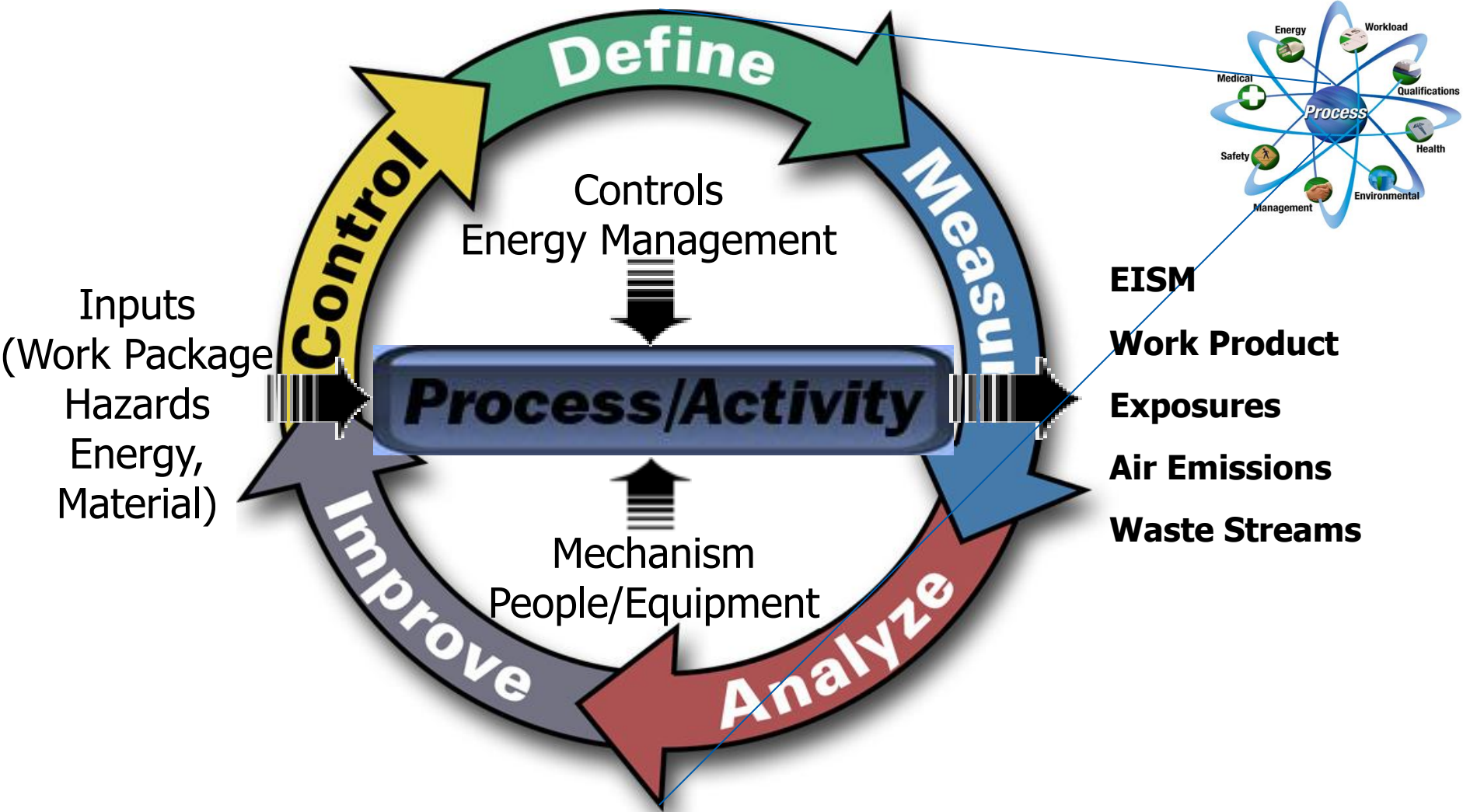
***The Work is the Same
Why Can't it Be Called the Same***

Who Really Owns the Data



***Owning the Data Must also Mean
Paying for the Data's Integrity***

Using the Process Management Approach



Control is the Part We Tend to Leave Out
“How do we keep the improved process from bouncing back”

- **Business Process Management and Policy Review**
- **Application Installation**
- **Data Stewarding and Data Integration Support**
- **System Integration Plan**
- **EISM Metric Planning Support**
- **Metric Assessment Report**
- **Initial Assessment Data Load**
- **Training and System Support**
- **System Implementation**
- **System Sustainment**



- An integrated EH&S Enterprise platform will...
 - Improve management & control of worker hazards, chemicals, waste, etc
 - Improve ISM performance
 - Hazard ID, Select and implement Controls, Perform Work Safely and Feedback and Improvement
 - Can act as the work authorization gate for approving work.
 - Improve CAS/LOCAS
 - Enable Sites to consistently track and manage both lagging and leading indicators for assurance of contractor ISM programs.
 - Standardize EH&S tracking and reporting systems.
 - Enable Sites to fully comply with EH&S regulatory requirements (10CFR850, 10CFR851, etc.)
 - One view to the world approach

Questions?