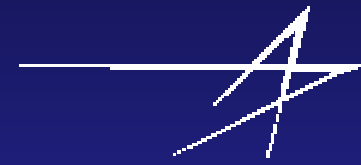


# ***Lockheed Martin Standard Injury & Illness System (LMSII)***



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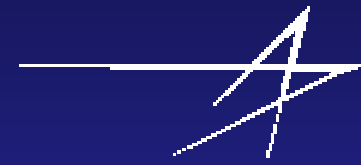
## ***LM Program:***

- ***Target Zero***



## ***Program goal:***

- ***Reduce the number & severity of injuries / illnesses throughout the corporation***



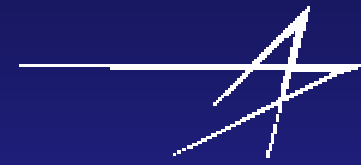
***One tool used to achieve Target Zero is:***

***Lockheed Martin  
Standard Injury & Illness  
System (LMSII)***



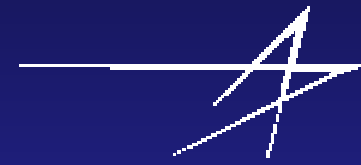
## **System Overview:**

- ***Web based system designed, built and maintained by LM to capture, store, notify, track and report on all work related injuries***
- ***LMSII is linked electronically to the personnel system and a medical management software system***



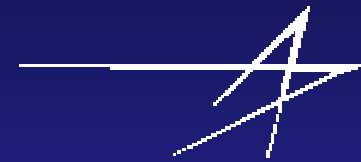
## ***Business Requirements:***

- ***Report & track all work related injuries***
- ***Eliminate redundant data entry***
- ***Generate metrics and graphs real time***
- ***Provide a common tool & process***
- ***Produce electronic notifications***
- ***Simplify regulatory report generation***



## **System Requirements:**

- ***Web based***
- ***Easy to use***
- ***Single sign on***
- ***Secure repository for sensitive data***
- ***Link ESH, Medical & Personnel data***
- ***Modifiable based on changing regulatory & business needs***



## **Implementation Process:**

- **2002**
  - Built LM Denver
  - Piloted LM Denver
  - Production LM Denver
- **2003**
  - Piloted at 11 other LM locations
  - Transitioned to enterprise wide
  - Provided training to all LM locations
- **2004**
  - Production at all LM locations
  - Built interfaces to LM locations behind firewalls
  - Enhancements begin
- **2005**
  - Tracking ~11,900 injuries / illnesses since 1/1/2002
  - At ~ 940 LM locations
  - With ~ 133,000 LM employees



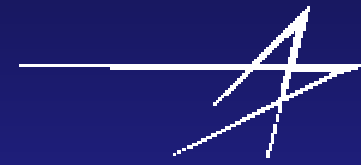
## **System Specifications**

- **Standard Injury & Illness System (SII), Lockheed Martin developed and owned**
- **Occupational Health Manager (OHM™), Unique Software Solutions, Colorado Springs (COTS)**

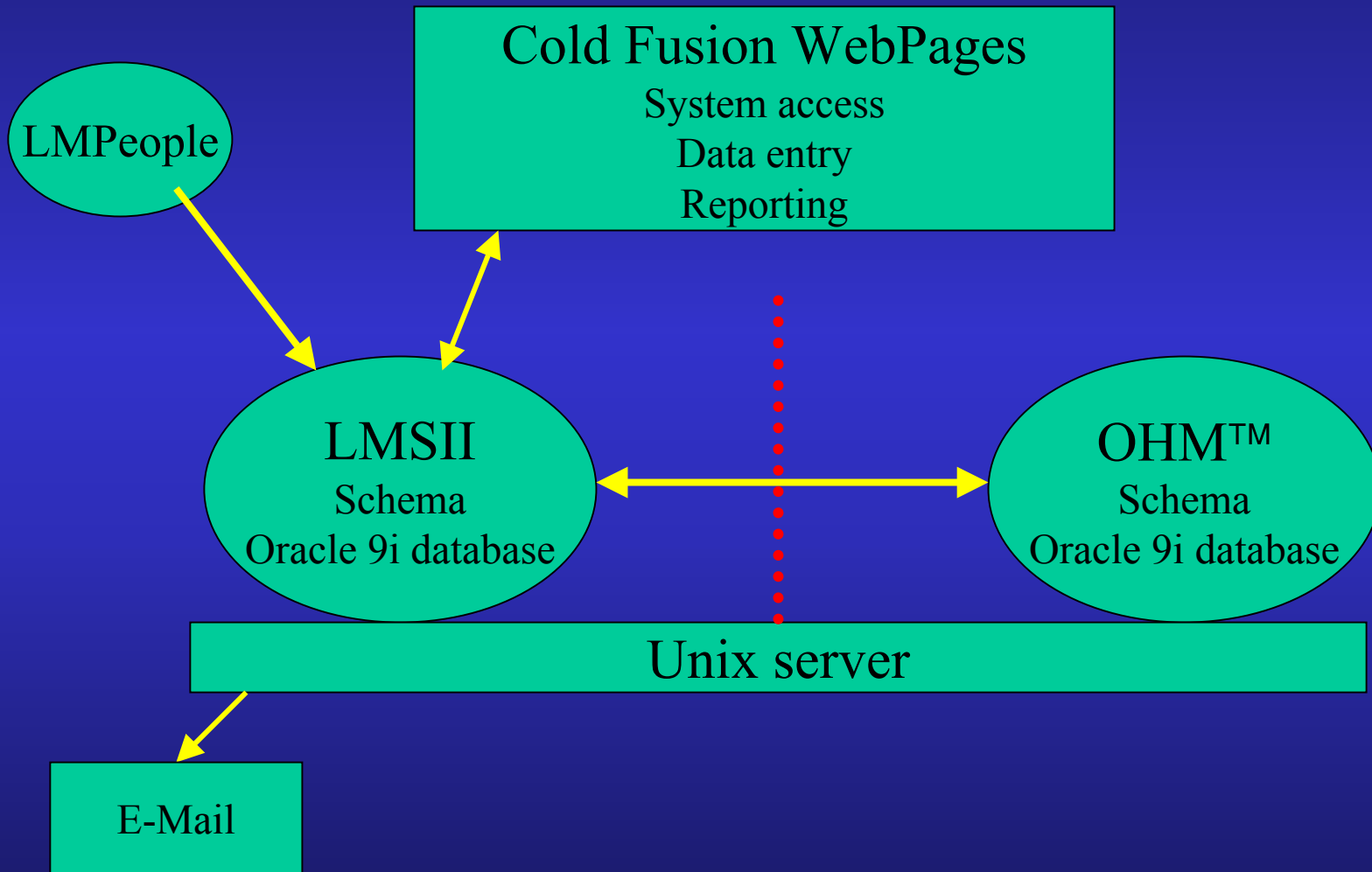
## **System Platform**

- **Oracle 9i Database located on a Unix server**
- **Cold Fusion Web Pages located on a Unix server**





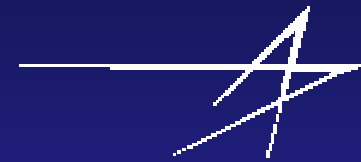
## System Architecture:





## **LMSII System Capabilities:**

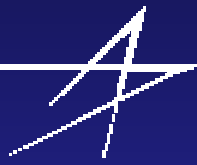
- ***Notifies ESH, manager and 1/1 managers when injuries occur***
- ***Initiates a Manager's Incident Investigation for all work related injuries***
- ***Requires the injured employee's manager to investigate the incident, determine the root cause and corrective actions***
- ***Requires the injured employee's 1/1 manager and ESH to approve the completed investigation***



## **LMSII System Capabilities, cont.**

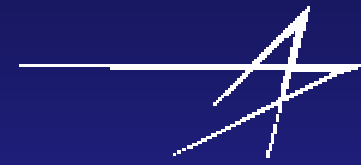
- ***Provides all employees with the ability to review injures for trending and metrics***
- ***Shares incident information between the Medical and ESH systems***
- ***Allows for reporting or trending based on the following factors:***

Type of Accident, Nature of Injury, Body Part, Root Cause, Location, Building, Site, Business Unit, Program, Department, Job Title, Lost Time, Incident Date, Corrective Action, Investigation Status, Employee, Manager, 1/1 Manager, Director, Vice President



## **Occupational Health Management System (OHM™):**

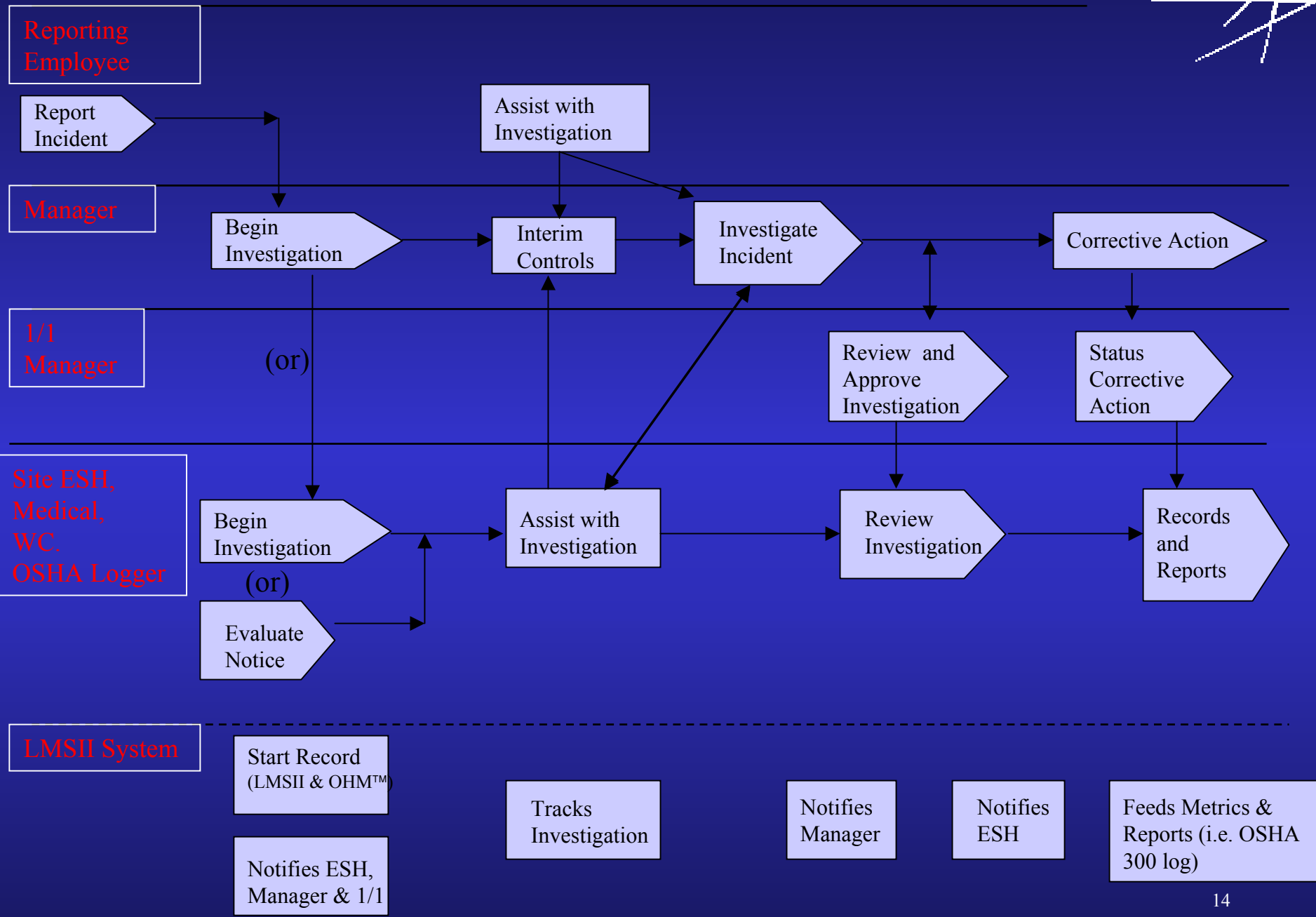
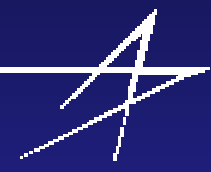
- **Commercial off the shelf product (COTS)**
- **LM has built interfaces between LMSII, OHM™, & LMPeople. The system provides web-based access for tracking and reporting of medical data**
- **LMSII entry automatically initiates an injury record in OHM™, which can generate the OSHA 300 log and all State Worker's Compensation forms when required**

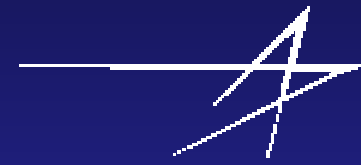


## **Occupational Health Management System (OHM™ continued):**

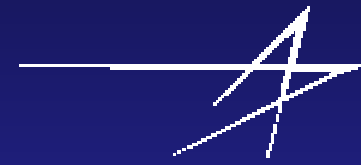
- *Provides an OSHA decision tree for determining recordable injuries*
- *Standard OHM™ functionality can be used with minimum data entry; system capabilities include:*
  - *Employee Demographics*
  - *Workers Compensation*
  - *Medical Surveillance*
  - *Encounter Log*
  - *Pulmonary Function Testing interface*
  - *Audiometric Testing Interface*
  - *Drug & Alcohol Testing*
  - *Absentee Tracking*
  - *Vaccine Tracking*

# LMSII High-Level Process Flow





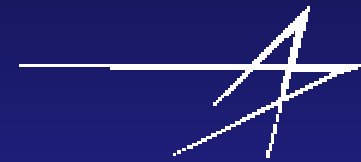
- ***System Demo***



## ***Process improvements :***

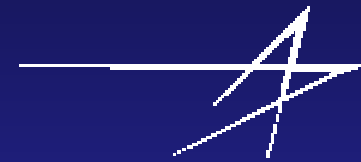
- ***Reduced process steps***
- ***Eliminated redundant data entry***
- ***Provided a common tool & process***
- ***Provided common lists***
- ***Generate metrics and graphs real time***
- ***Produced electronic notifications***
- ***Increased incident awareness***





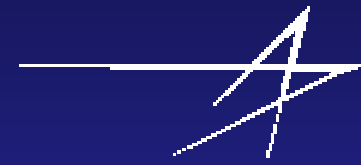
## **Lessons learned:**

- ***Pilot the system before full implementation***
- ***Use flexible technology***
- ***Budget for enhancements***
- ***Establish change control boards during pilot phase***



## ***Future development:***

- ***Employee like contractor incident tracking & reporting***
- ***International incident tracking & reporting***
- ***Near Miss tracking***
- ***Hours worked correction capability***
- ***Link to training system***



- ***Questions?***