Information Technology & Data Trends in Business

ICIQ - 2008

LOCKHEED MARTIN

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Why does Lockheed Martin care so much about IT & Data trends?

F-35 Autonomic Logistics Global Sustainment System

Highly Supportable Aircraft

- Smart / Reliable Design
- Prognostics and Health Management
- Remove and Replace (R/R) Maintenance
- On Condition Maintenance

Training System

- Integrated Training
- Embedded Pilot Training
- On Demand Maintenance Training
- Air Vehicle Software Reuse

Support System

- Sustaining Engineering
  - 24/7 Help Desk
- Electronic Joint-Service Tech Data
- Intelligent Maintenance Management
- Global Supply Chain Insight
- Support Equipment Management

Autonomic Logistics Information System

- Distributed Information System
- Enterprise Resource Solution
- Secure
- Scalable
- Deployable

Systems Engineering Applied to Logistics and Sustainment

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Autonomic Logistics Information System (ALIS)

- ***Single, Secure Information Environment***
- ***Distributed Network Based on Web Technologies***
- ***Capabilities Integrate Broad Range of Domains***

Lockheed Martin Business Areas

Information Systems & Global Services

Our Infrastructure is data rich

Information & Data Trends

Hyper-connectivity

Changing Demographics

The Men and Women of Lockheed Martin

- 140,000 Employees
- 70,000 Scientists and Engineers
  - 25,000 IT Professionals
- Operations in 1,000 Facilities, 500 Cities, 50 States and 75 Countries

Partners to Help Customers Meet Their Defining Moments

Security and Privacy Balancing Act

Web 2.0 – Social and User Experience Centric

Social – improve with use

Empower the user

self service & credibility

relevance & simplicity

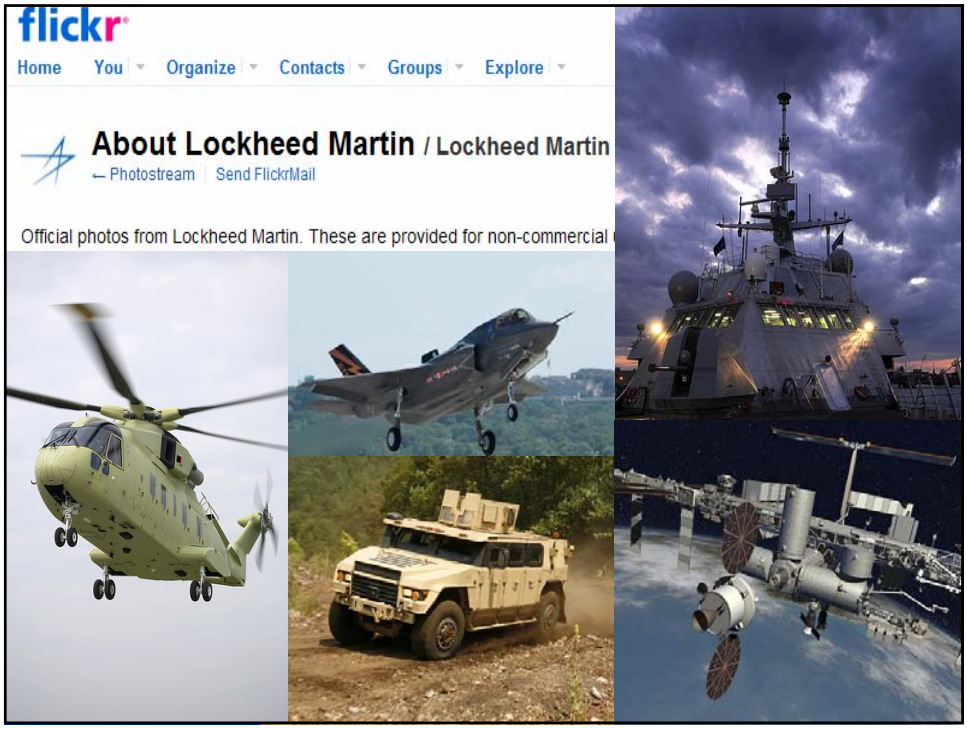
recommendation power

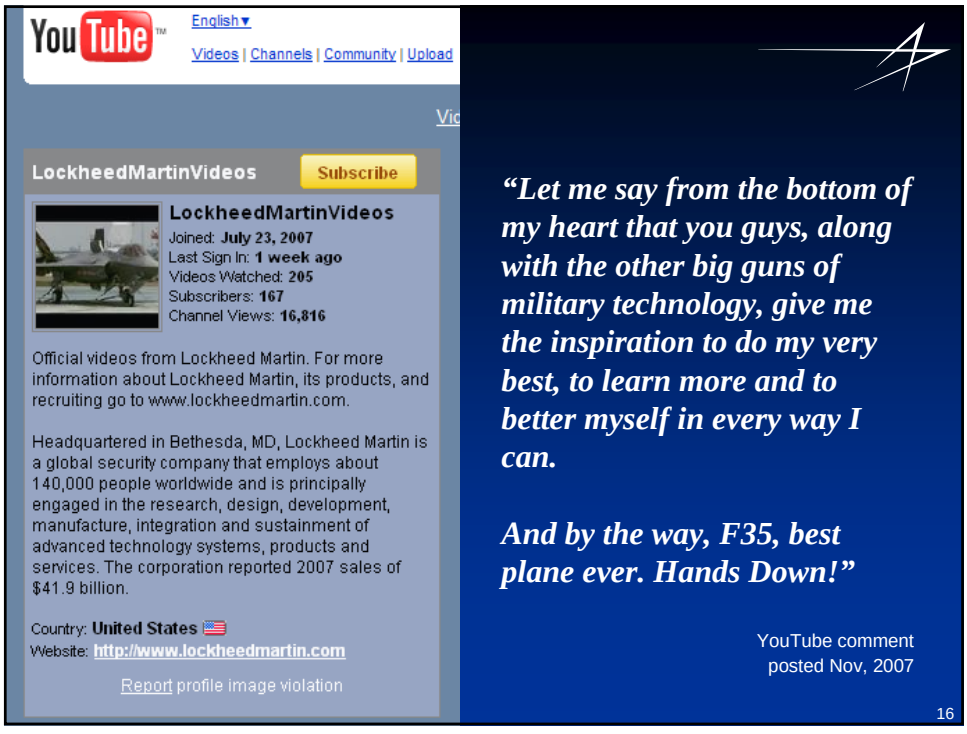
what I want, when I want it

We are in the Web 2.0 game

- Corporate sponsored Web 2.0 content
  - Flickr
  - YouTube
  - Alumni Network
- Grass-roots external social software
  - Facebook
  - LinkedIn
  - Twitter
- Internal social software
  - Unity : Blogs, Wikis, Tagging, etc on our Intranet
  - Lmpedia : a Unity-powered Wikipedia like capability)

Which is more credible? Most impact? Pros? Cons?





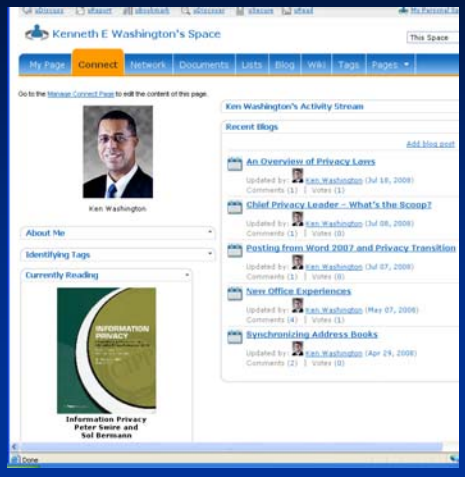
"Let me say from the bottom of my heart that you guys, along with the other big guns of military technology, give me the inspiration to do my very best, to learn more and to better myself in every way I can.

And by the way, F35, best plane ever. Hands Down!"

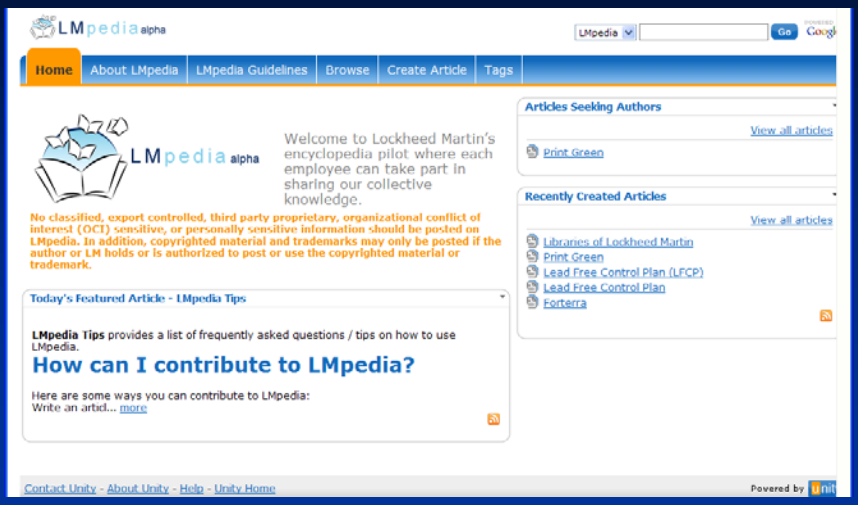
YouTube comment
posted Nov, 2007

Don’t Underestimate the Importance of Grassroots Efforts

Web 2.0 in the Enterprise



LMpedia - Harnessing the Collective Wisdom of our People



Building "Boxes" for an Amazing Future

- Broadband and Wireless
  everyone and everything always online
- Open Source and Social Software
  wisdom of the crowds
- XML
  real world modularity
- Embedded Computing
  advanced reasoning and ultra-mobile computation
- Scripting (Javascript, Python, Rails, etc.)
  rapid development cycles for mortals

Imagine the Possibilities