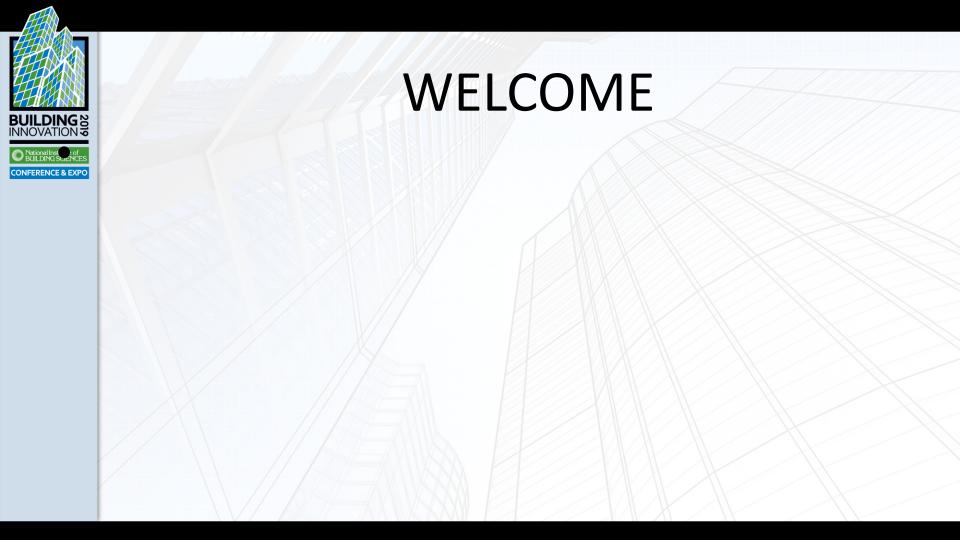


The Vision of Better Information Management





Introduction to WMATA (METRO)

- Created in 1967 by the Interstate
 Compact; began rail operations 1976
- Multi-jurisdictional DC, MD, VA, US
- Service area ~ 1,500 square miles
- Rail, Bus and Paratransit modes
- Approximately 1,000,000 trips daily



Introduction to WMATA (METRO)

- Over \$40 billion in assets (excluding land)
- Over 400,000 identified assets
- Nearly 10,000 employees
- 291 miles of track
- 1,824 buses
- 1,236 rail cars
- 618 escalators
- 318 elevators



WMATA (METRO) Context

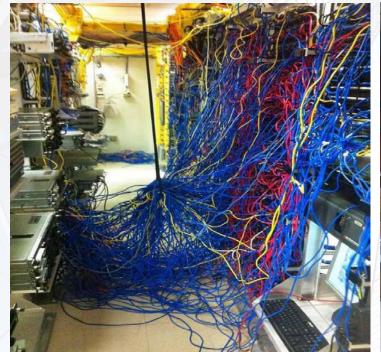
- Dedicated Capital Funding 1st time ever
- \$25 billion need estimated for SGR and new service requests
- \$1.5 billion in capital expenditures per year
- Over 600 projects submitted for program funding
- Safety and Compliance drivers

"Without Data You're Just Another Person With An Opinion"

W. Edwards Deming



Information Management?







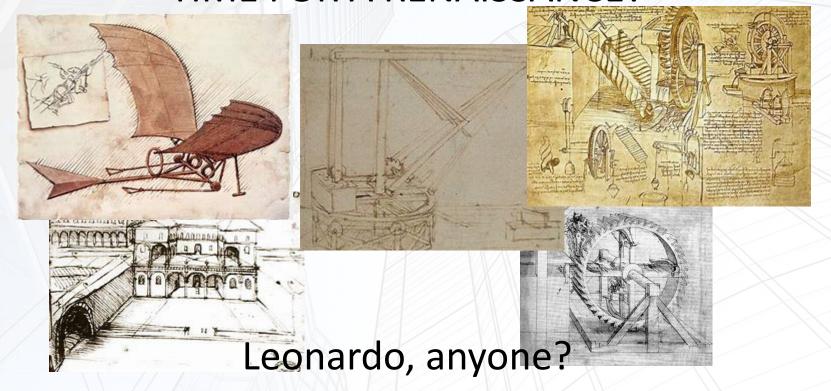
Historical Processes Perspective



Do or Die

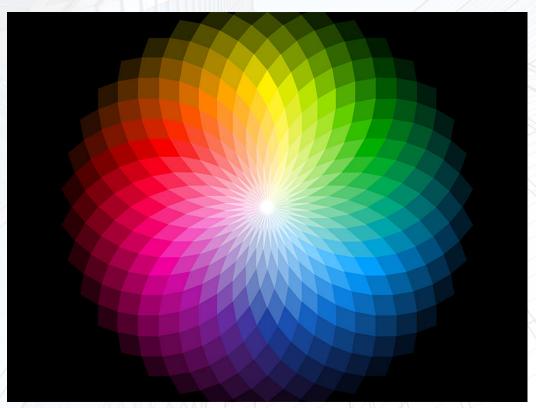


TIME FOR A RENAISSANCE?





INFORMATION OVERLOAD?





INFORMATION SINGULARITY?

1984 (not the novel...)

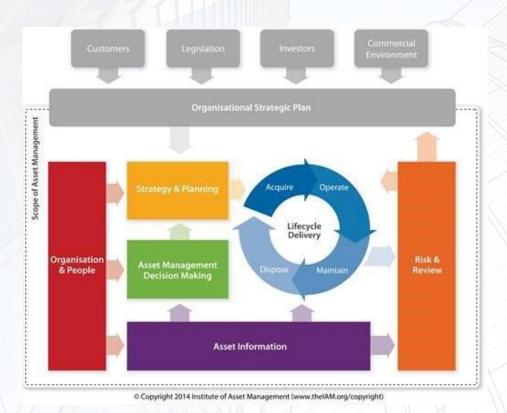


STANDARD PROCESS FLOW

CONCEPT/NEED **PROGRAMMING** PRELIM DESIGN **DESIGN DEVELOPMENT CONSTRUCTION DOCUMENTS CLOSEOUT** OPERATION/MAINTENANCE **DECOMMISSION**



BETTER INFORMATION EXAMPLE



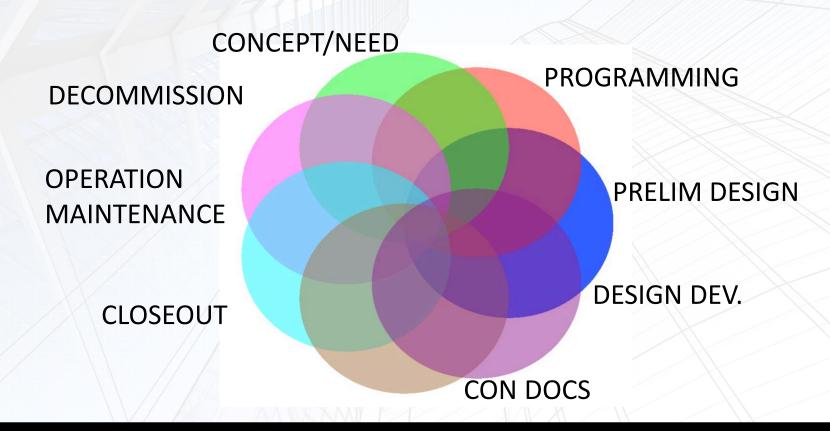


Current Information Rich Processes

- Enterprise Asset Management (EAM)
- Building Information Modeling (BIM)
- Geospatial Information System (GIS)
- Enterprise Resource Planning (ERP)
- Business Performance Management (BPM)
- Life-cycle Cost Analysis (LCA)
- Total Cost of Ownership (TCO)
- Business Suite Applications
- ... and?



VISIONARY PROCESS FLOW





INFORMATION & EXCHANGES

- Building Information Modeling (BIM)
- Geospatial Information System (GIS)
- COBie
- LiDAR
- CMMS
- AMS
- Business Suite Applications
- ... and?



IT'S THE PEOPLE NOT THE TECHNOLOGY

Questions?