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H Canyon Scroll Management Tool

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Site GIS & Environmental Systems

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Facts

enterprise·srs

Savannah River Site

198,344 acres, or 310 square miles

- DOE: Savannah River Operations Office
- NNSA: Savannah River Site Office
 - Office of Site Engineering and Construction Management
- USDA Forest Service-Savannah River
- U.S. Nuclear Regulatory Commission
- U.S. Army Corps of Engineers
- Contractors
 - Savannah River Nuclear Solutions, LLC (Site Management and Operations, and Savannah River National Laboratory)
 - Savannah River Remediation LLC (Liquid Waste Operations)
 - WSI SRS Team (SRS security)
 - Shaw AREVA MOX Services (Mixed Oxide (MOX) Fuel Fabrication Facility construction)
 - Parsons (Salt Waste Processing Facility construction)
 - University of Georgia (Savannah River Ecology Laboratory)
- SRS workforce: 12,000
- Annual budget ~\$2.5 billion



The SRS complex covers 198,344 acres, or 310 square miles, encompassing parts of Aiken, Barnwell and Allendale counties in South Carolina, bordering the Savannah River.

Vocabulary

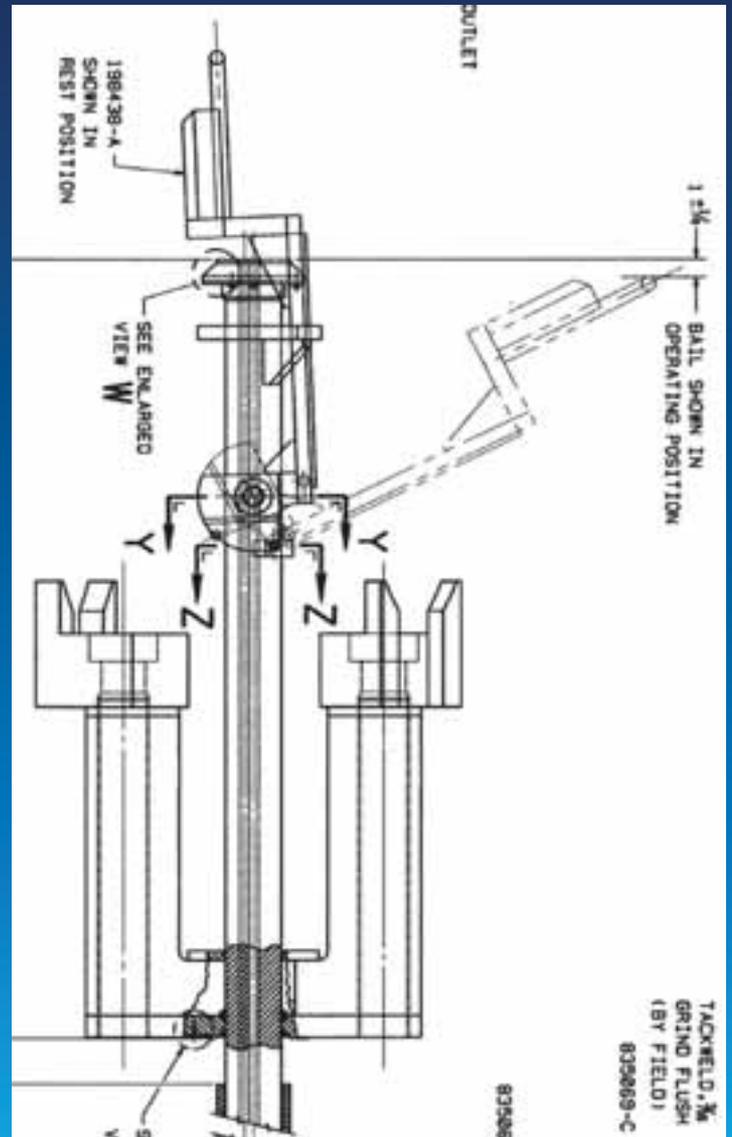
What is he talking about?

This is H Canyon



This is a nozzle

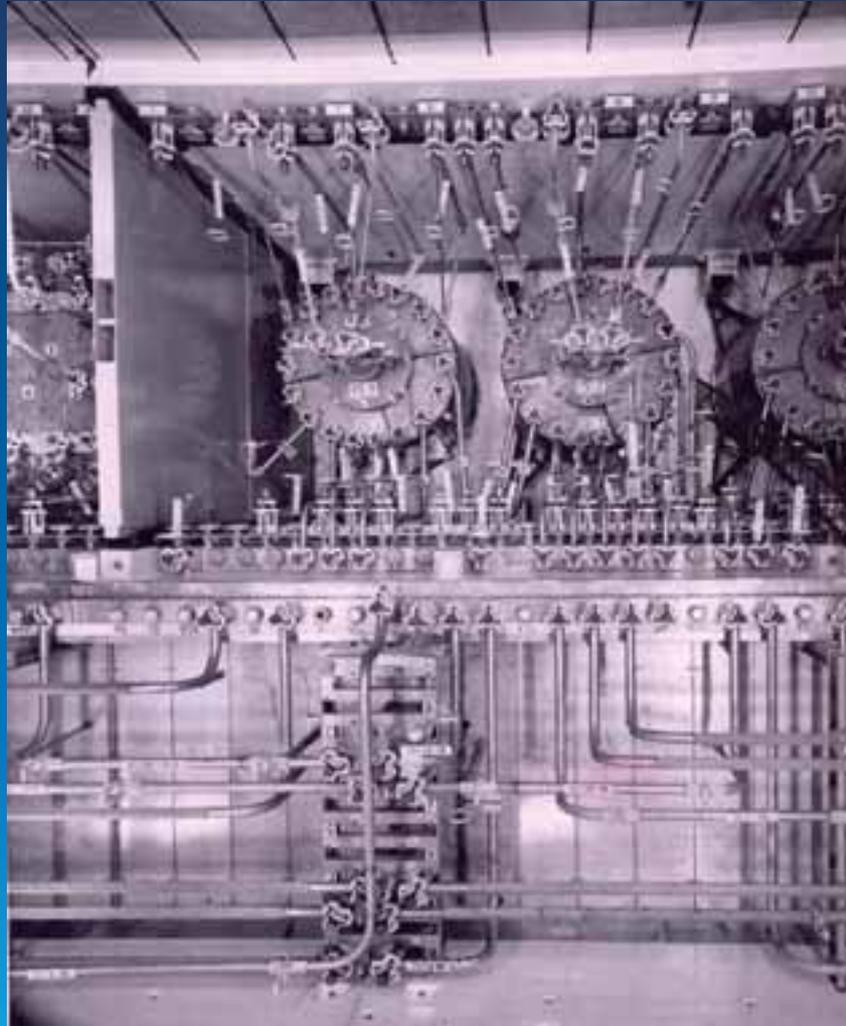
- Connections for Jumpers
- Balanced on a single lift point
- Mounted on vessels and Embedded piping
- Like Jumpers, not just piping



This is What We're Modeling



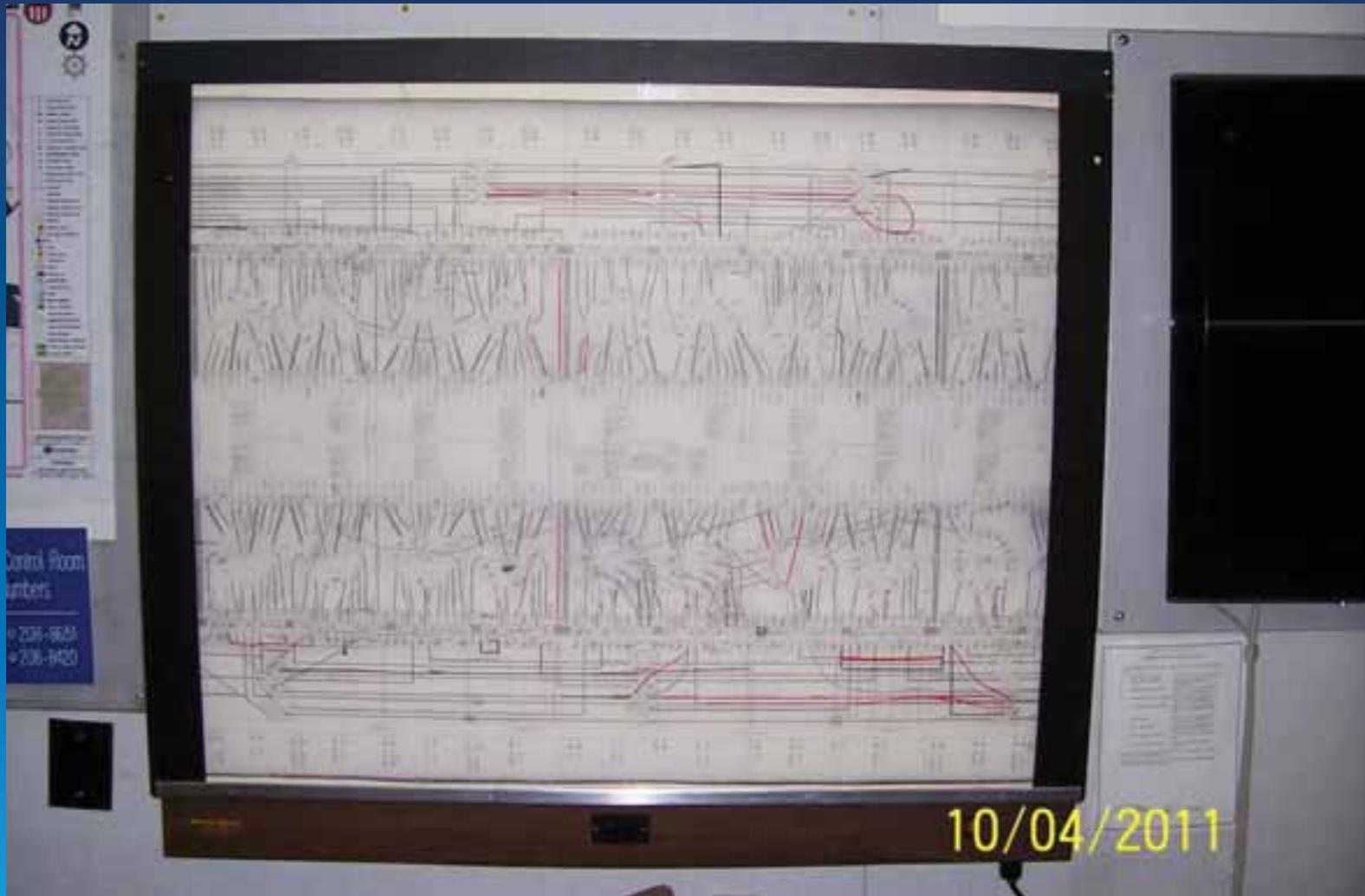
Looking down on one cell



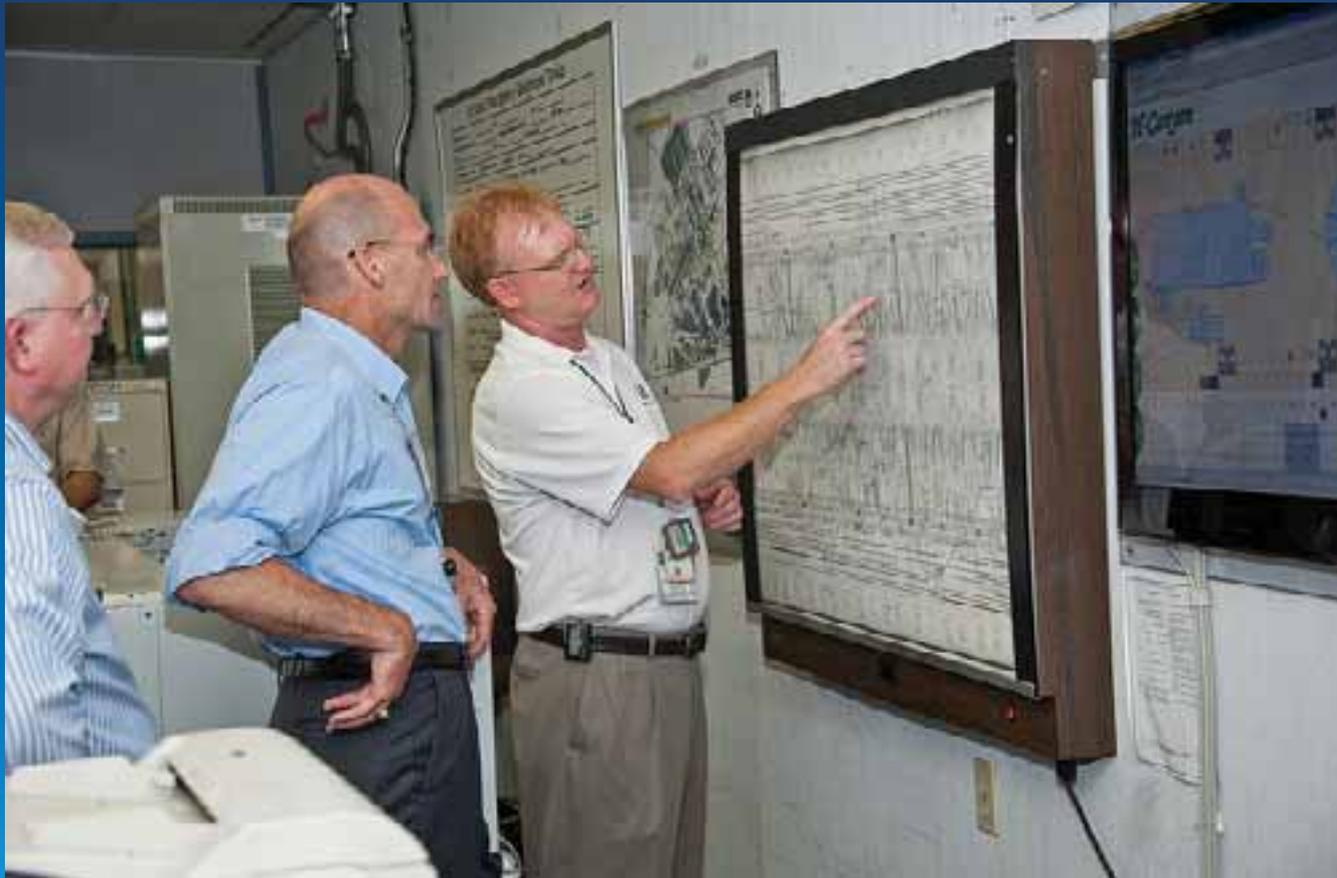
Video

There was a really good video on this slide!

This is where we started

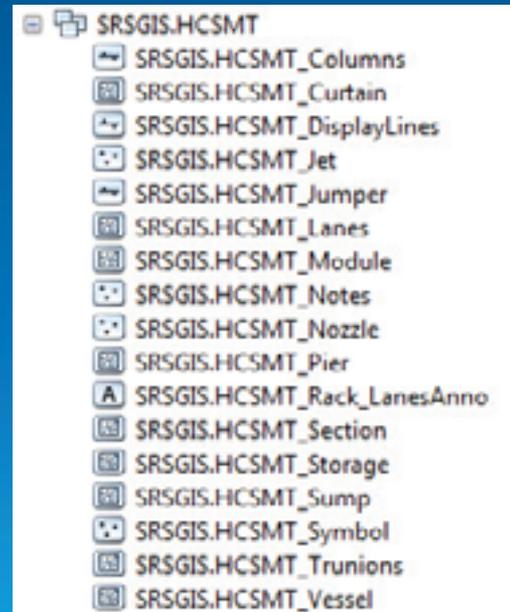


Old School!

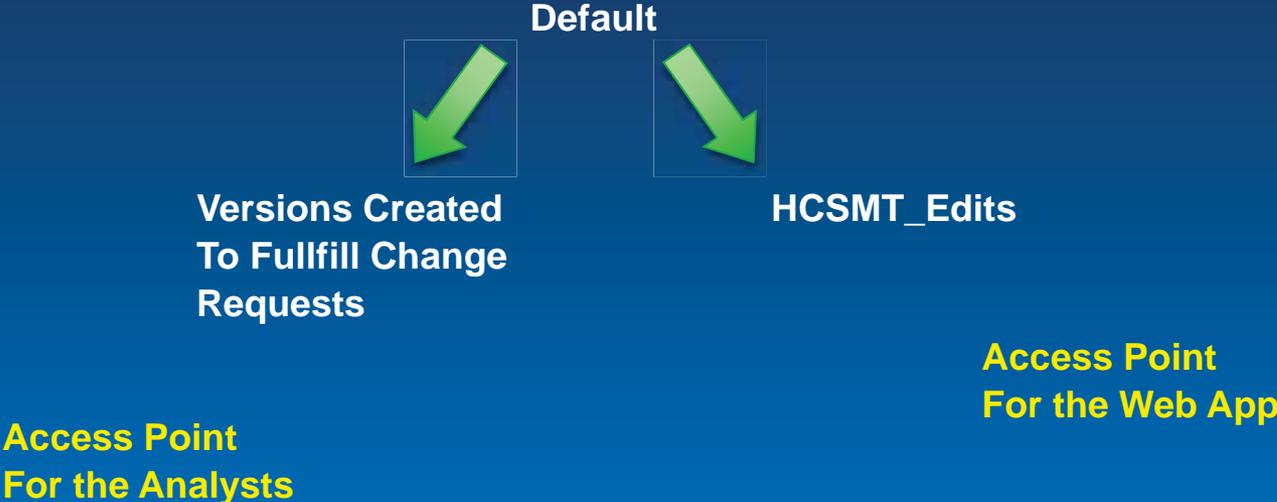


How does this thing work?

- RDBMS is Oracle (Enterprise)
- Collection of SDE Feature Classes (Feature Dataset)
- Data viewed and edited via Web Services
- User Interface built on Adobe Flex
- Utilizes Versioned Editing



Versioning Hierarchy



Access and Security

- “View only” from anywhere on local area network
- From single point of access to broadly distributed desktop access
- Editor access controlled by local table
- Facility Operators only



Where do we go from here?

- Automated Procedure Verification
- CCTV Integration
- Transfer modeling (Network Analyst)
- DCS Integration



Questions

