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MIRION
Connect **24**
Annual Users' Conference

July 29 - August 2 | Omni Dallas Hotel, Dallas, TX



MIRION
TECHNOLOGIES

AIM Deployments & Operational Achievements

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Mirion Connect | Annual Users' Conference 2024

Dallas, Texas



Operational Achievements –

How did we get here?

History

- July 2022: Notice of Mirion Purchase of Security Group from Raytheon/Collins Aerospace
- Oct 1, 2022: Day 1 with Mirion Technologies
- Dec 1, 2022: Almost all back office systems transferred to Mirion;

■ Company History - many owners, same business:

- Johnson Controls - <1989
- Johnson Yokogawa - 1990
- Syseca - 1993
- Harmon Industries - 1999
- G.E. Harris Harmon - 2000
- ARINC – 2001
- Carlisle - 2007
- Rockwell Collins - 2013
- UTC/Rockwell merger – 2017
- UTC/Raytheon – Collins Aerospace – 2020
- Mirion Technologies – 2022

■ Mirion is only company whose business is primarily nuclear.

Operational Achievements –

What have we done?

Company back office functions:

- Re-organized teams to better align w/ mission
- ERP transition to SAP (very large undertaking)
- Stood up multiple functions:
 - Buyers / vendor management / procurement
 - Standalone Q/A functions (roll –out of new Mirion QMS)

AIM Deployments –

In last 12 months

Xcel Monticello:

- Original JC6000 system installed in 1993
- Front End Upgrade went live in late Fall of 2023
- Integrated video
- Beta version of CBA Tool.
- IRIS scanner later this year

■ Single unit



AIM Deployments –

In last 12 months

Dominion Surry:

- Front end upgrade went live in spring of 2024
- Access control & video were transitioned separately
- CAS/SAS was rebuilt/remodeled
- Integrated Iris Scanners
- Back End (30 panels) was upgraded from SY104 to Mercury Gen 3 Hardware
- Front End was upgraded to a virtualized system with the new UI

■ Two units



AIM Deployments –

In last 12 months

Strategic Petroleum Reserves – Big Hill

Part of a Life Extension project for 3 of the 4 SPR sites

System Overview:

- Head-end with redundant video recording
- Operator console & video wall
- Perimeter junction boxes with network switches
- Thermal cameras with video analytics
- Fence mounted intrusion detection system
- Intercoms
- Integration into existing access control system



Big Hill

AIM Deployments –

In last 12 months

TVA Browns Ferry:

- Front end upgrade went live in spring of 2023
- 2nd of 3 plants in fleet to upgrade.
- First TVA site with IRIS scanners
 - Ran into integration issues in production environment initially. Spent time on site and required software patch.

■ Three units



AIM Deployments –

In last 12 months

BWxT Fuel processing site

- Unique system architecture – Separate video and access control systems
- Large – 40+ MUX and 400+ video channels
- Demanding security requirements through entire lifecycle – No external communication equipment in project area, impossible to move customer data to development environments, site support on production requires clearance, STIGs, etc.
- Moderate number of AIM customs used to meet customer needs and went through several iterations of testing
- Currently transitioned video system – ran into minor transition issues but overall was a success
- ACS transition underway – New system is up. Working through punch list and will be on site next couple weeks.



AIM Deployments –

Lessons Learned from transitions – things to think about

- Keys to a successful project & transition:
- Make sure key stakeholders are aligned (Security, projects, IT, etc.)
- Identify system admins early and involve them in project from the beginning
- Have end-users involved in Factory Testing and ideally conduct training before transition.
- Factory testing with legacy hardware can be a challenge. Provide as much field hardware/interfaces as possible to help mitigate risk during transitions.
- Make sure transition plan has realistic timelines.

Thank you

