

OCTOBER 24, 2023

---

# Streamlining system maintenance with unattended AVEVA™ System Platform client installs

Brian Linzer – Windows Systems Engineer, Martin Marietta

Bob Hunter – Principal GCS Technical Account Manager, AVEVA





# Brian Linzer

Windows Systems Engineer

Martin Marietta

brian.linzer@martinmarietta.com

---



# Bob Hunter

Principal GCS Technical Account Manager

AVEVA

bob.hunter@AVEVA.com

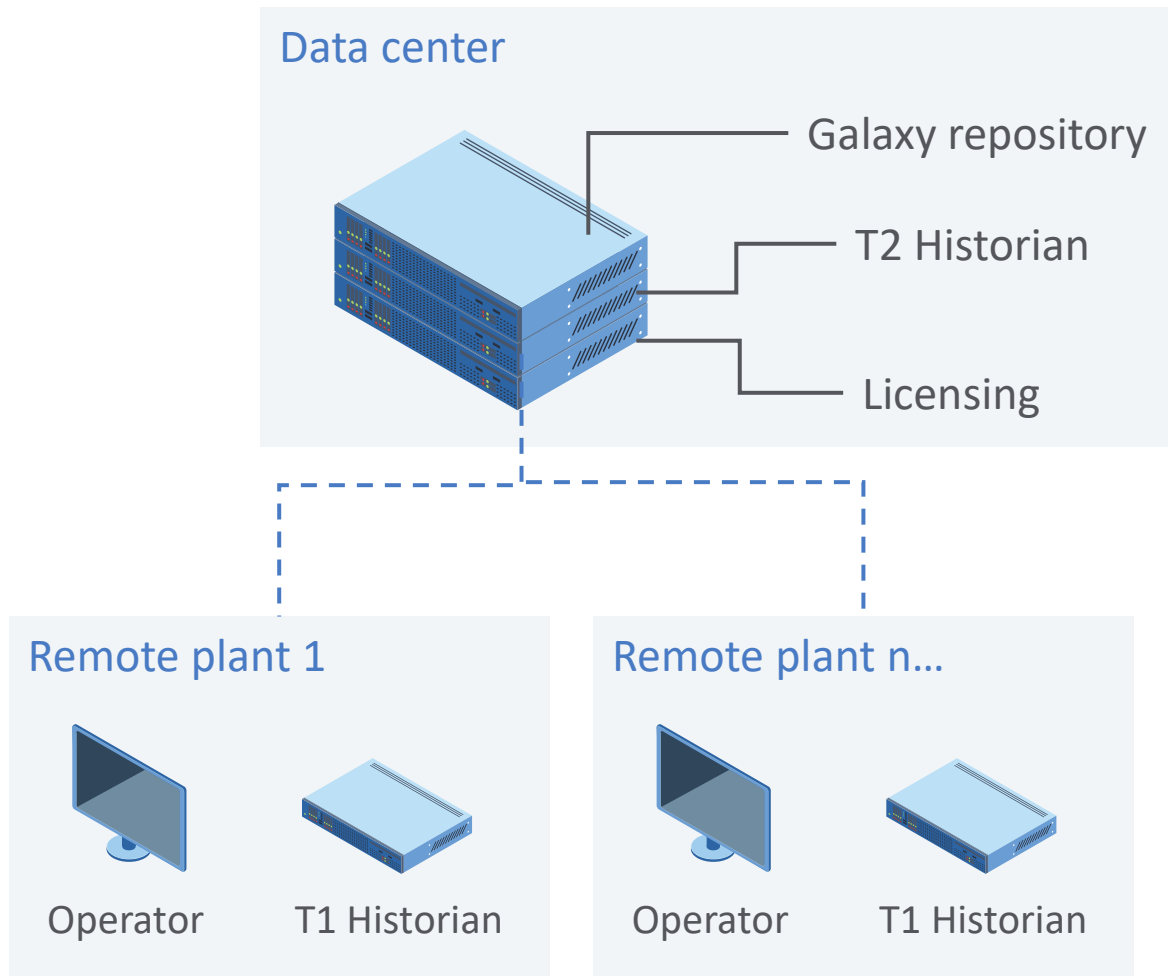


A member of the S&P 500 Index, Martin Marietta is an American-based company and a leading supplier of building materials - including aggregates, cement, ready mixed concrete and asphalt.

- Around 135 automated sites
- Locations spread across the US + Bahamas/Nova Scotia
- Enterprise deployment based in our datacenter



# High-level architecture



# Business value

- Business challenge
- Physical vs. virtual
- Pre/post times
- Deployment time
- Standardization
- New release change control
- Single image
- Physical machines vs. virtual environment images

Task	Pre-Script Development	Post-Script Development
Windows Image	45 Min	45 Min
SQL/SSMS Install	~30 Min	0 Min
System Platform	~35 Min	0 Min
Tools/Config	~15 Min	0 Min
Single Script Install	0 min	~35 Min
Configuration Time	~80 Min	~35 Min
Total Time	~120 Min	~80 Min

---

What are  
we doing?

## What are we installing

- SQL Server
- Tools
  - SQL Management Studio
  - Avamar – File Backup Utility
- System Platform

---

What are  
we doing?

## Enterprise deployments

- Different OS Support
- Different Hardware Specs

---

What are  
we doing?

## Updatable

- Don't have to rebuild full image

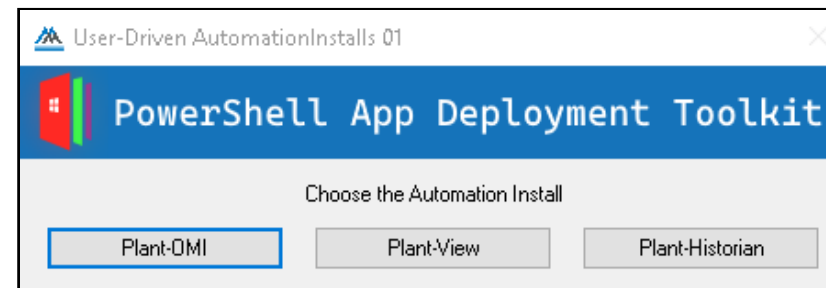


---

What are  
we doing?

## Single install across different environments

- AVEVA InTouch HMI – “Plant View”
- AVEVA OMI – “Plant OMI”
- AVEVA Historian – “Plant Historian”



---

What are  
we doing?

## Issues and considerations

- Installation Order
- MS Patches
  - Making sure the correct one is on the machine. Even if you have a newer install.

---

What are we  
doing?

## Configuration

- Network Adaptor Configuration
- Cross Node User Account
- MS KB Installs
  - EULA Fix
  - .net Hosting Bundle
  - Registry Key Tatoos

# Martin Marietta streamlines operator PC deployment

## Challenge

- Standardize operator PC deployment
- Increase deployment speed
- Ease transition as version updates become available
- Remove human error with install

## Solution

- Use AVEVA response files and PowerShell to create a single install script for all tools required for field plant computers, including SQL, backup agent and AVEVA System Platform.

## Results

- **Lowered deployment time approximately 25%**
- **Removed human error from build process**
- **Increase speed with updating as technology changes**



“By automating the AVEVA deployment we removed the manual configuration risk, improved our implementation success, and created administrative efficiencies.”

*David Jastrow, Senior Manager Infrastructure and Ops,  
Martin Marietta*

# Questions?

Please wait for the microphone.  
State your name and company.



# Please remember to...

Navigate to this session in the mobile app to complete the survey.



# Thank you!

This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.

 [linkedin.com/company/aveva](https://www.linkedin.com/company/aveva)

 [@avevagroup](https://twitter.com/avevagroup)

#### ABOUT AVEVA

AVEVA is a world leader in industrial software, providing engineering and operational solutions across multiple industries, including oil and gas, chemical, pharmaceutical, power and utilities, marine, renewables, and food and beverage. Our agnostic and open architecture helps organizations design, build, operate, maintain and optimize the complete lifecycle of complex industrial assets, from production plants and offshore platforms to manufactured consumer goods.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

Learn more at [www.aveva.com](https://www.aveva.com)