

Visual Management – The Rosetta Stone of Construction





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Problem Statement

How can large, multi-industry teams of diverse experts and specialties find ways to overcome industry and trade-specific language barriers that create miscommunication and negatively impact schedule, quality and budget?

- 'How soon will I have access to the Cath Lab? Do you mean Level 3, Area A?'
- If this conversation between a healthcare professional and a construction professional sounds familiar, then you can imagine how beneficial it would be to have an image showing both the medical and the construction parameters of the building right about now.
- The old adage "a picture is worth a thousand words" couldn't be more true when working in a fast paced, highly complex healthcare construction environment. Listen and learn from a team who will share how they used visual management to communicate and collaborate with industry professionals to complete activities strategically; meeting milestones successfully. The team will share specific examples of visual management used, including why and how they implemented the tool, and their resulting outcomes.

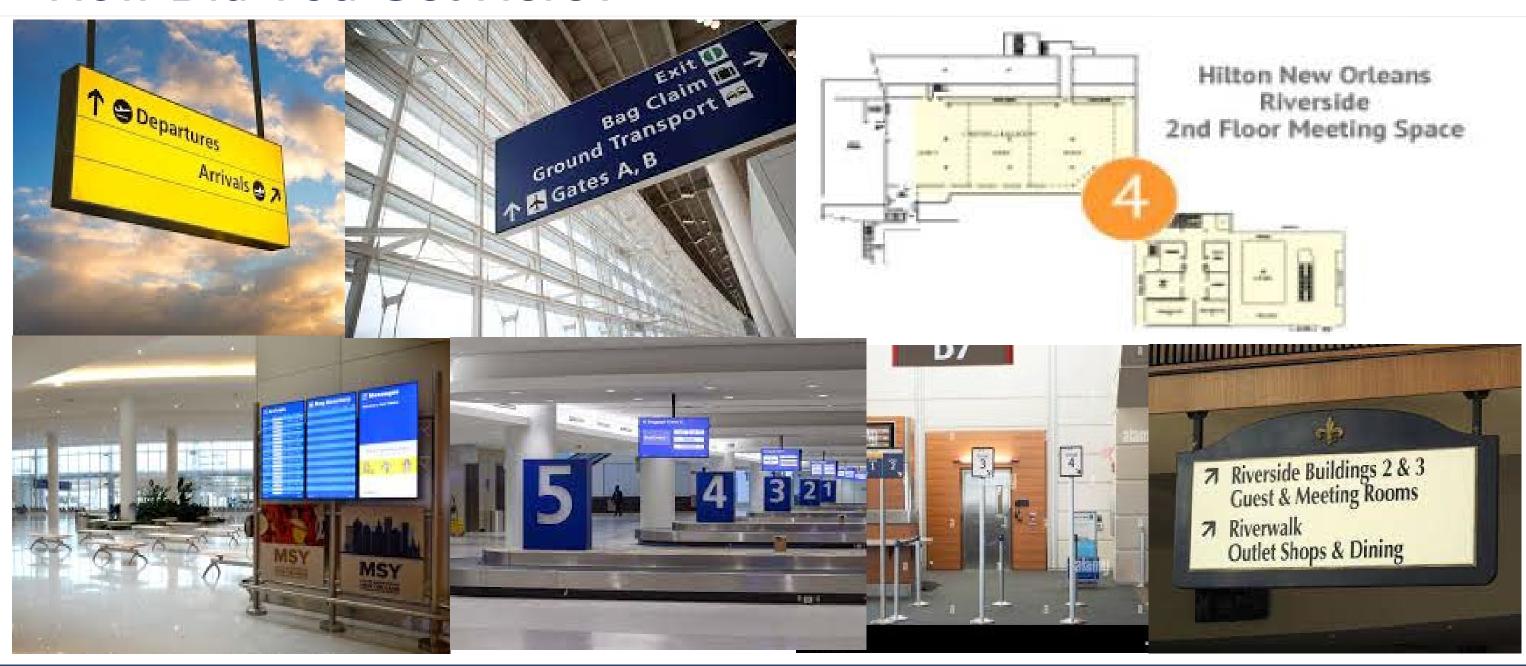
Problem Statement



What is Visual Management?



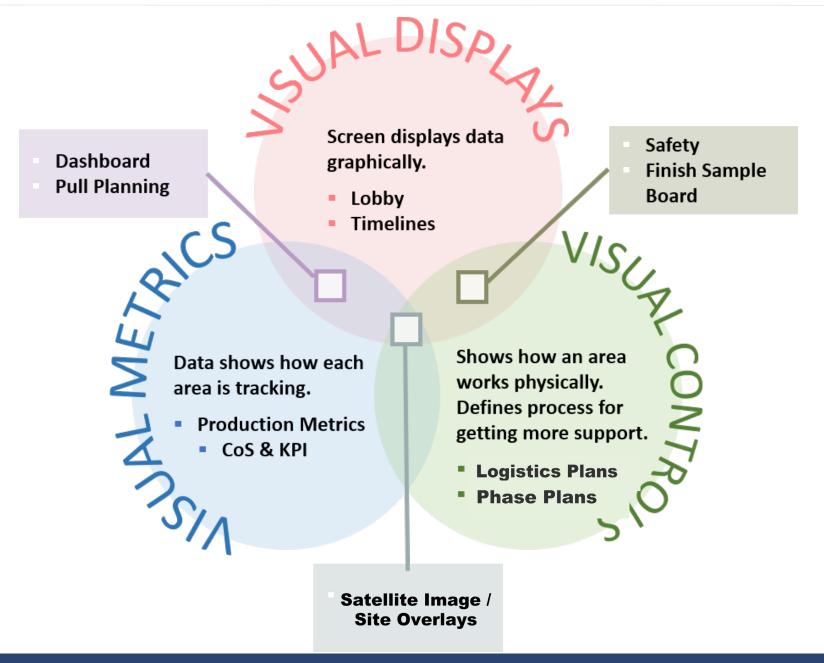
How Did You Get Here?



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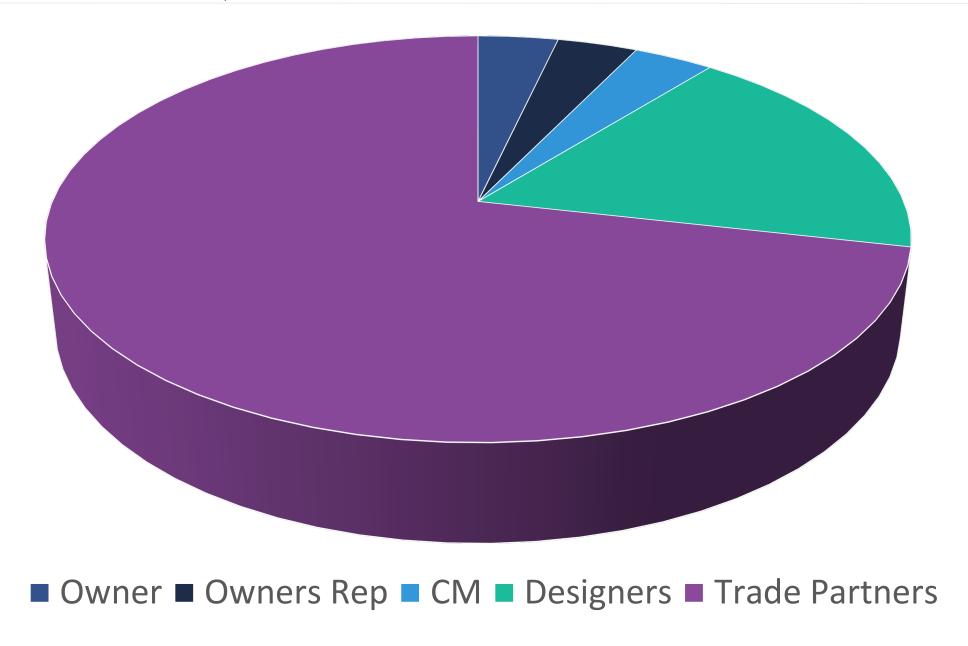
Visual Management



What was used to communicate across all of these teams and individuals?

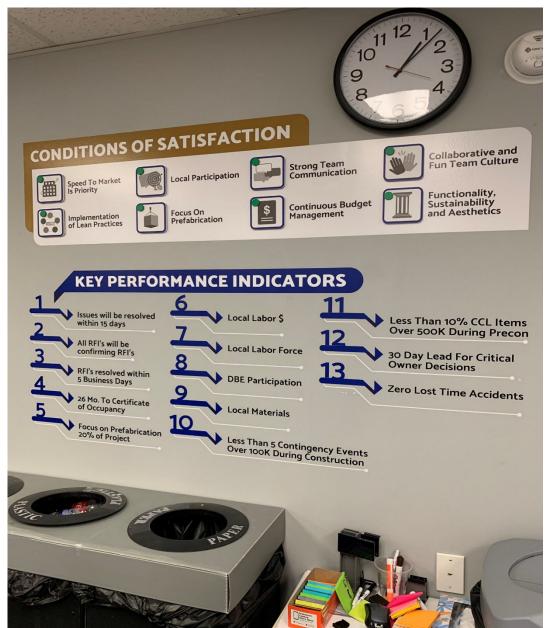


1,400 TOTAL TEAM MEMBERS

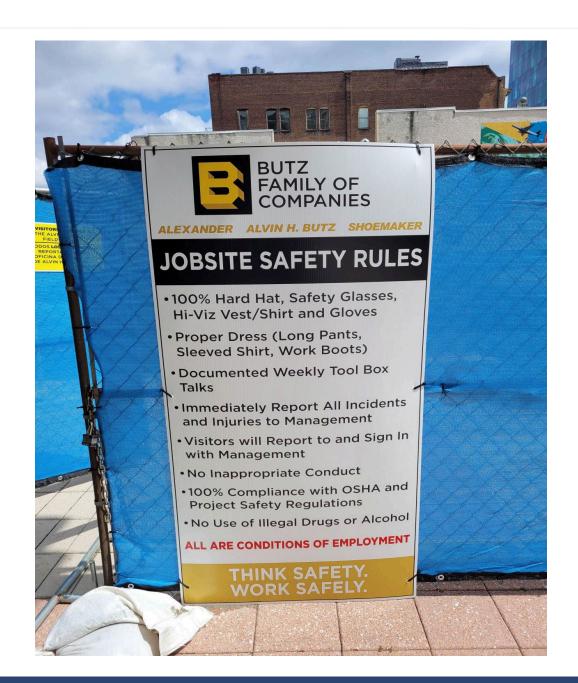


How do you Effectively Reach 1400 Team Members?





It's Simple but, We Need To Think Of It Differently



Coronavirus (COVID-19) - Aviso a Los Visitantes La seguridad de los miembros de nuestro equipo, clientes, socios, familias y visitantes es la primera prioridad de Barton Malow.

Nuestro objetivo es mantener seguros a los miembros del equipo, prevenir la propagación del coronavirus y garantizar las operaciones y el núcleo COVID-19 no afecta gravemente las funciones comerciales.

Abstenerse de ingresar a una oficina o sitio de trabajo de Barton Malow si tiene:

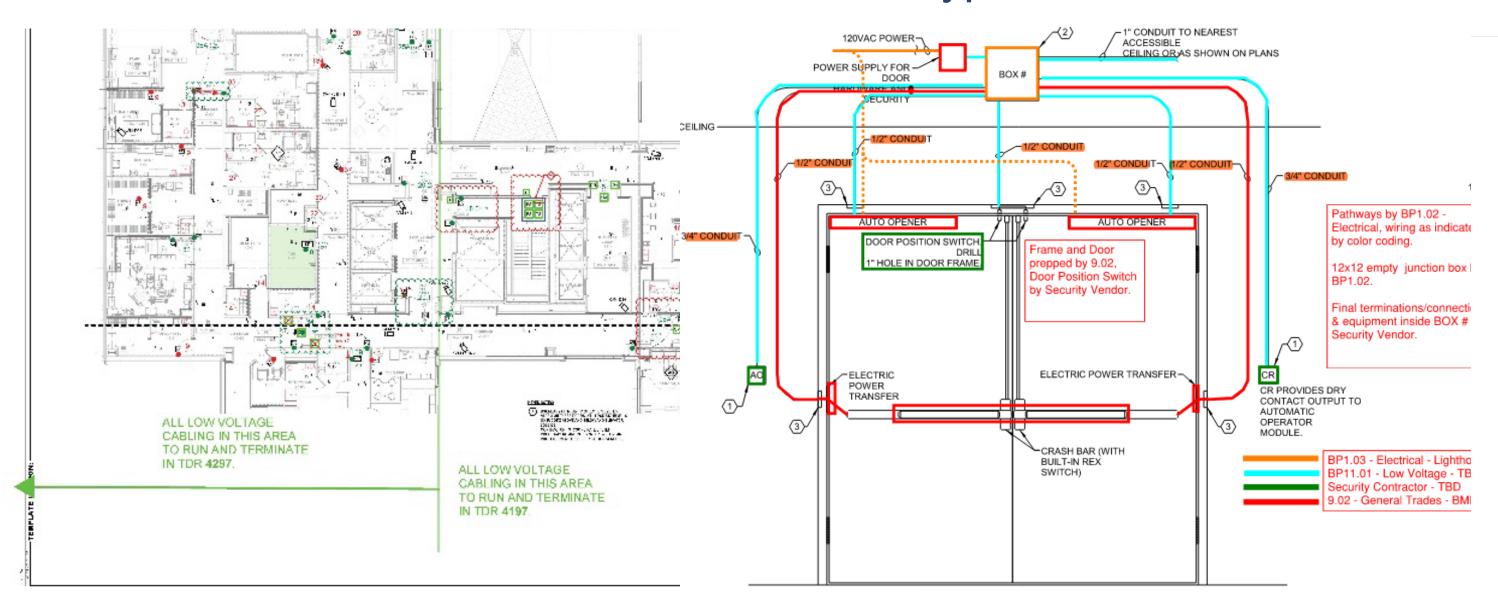
- Contacto cercano o cuidado alquien diagnosticado con COVID-19 en los últimos 14 días.
- Ha sido diagnosticado con COVID-19 en los últimos 14 días.
- Experimentas síntomas de COVID-19, que incluyen fiebre, tos, dolor de garganta, enfermedades respiratorias o dificultad para respirar.



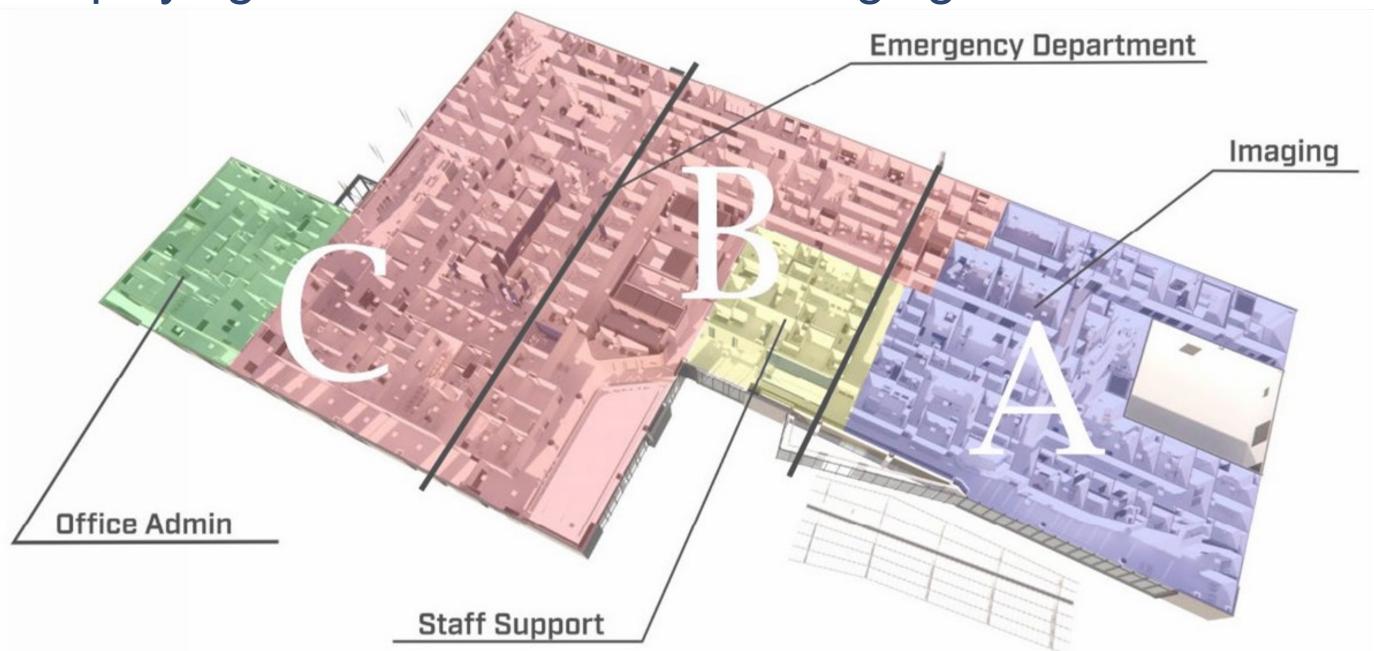
Escané este código QR con su teléfono y complete la encuesta para ingresar a esta oficina o sitio de trabajo de Barton Malow.

Barton Malow

Different Communication Across Trades, Types

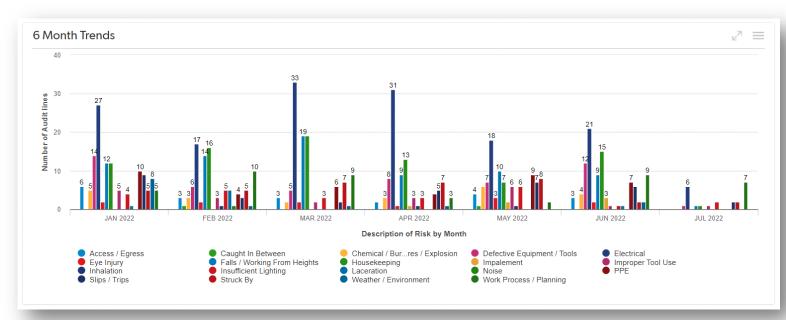


Simplifying Technical and Wide-Ranging Information

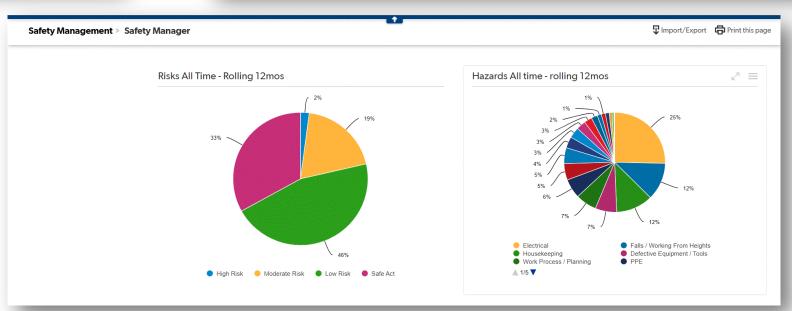


Safety - Signage, Digital Dashboards









Electrical Status One-Line

Conduit Installed

Feeder Pulled

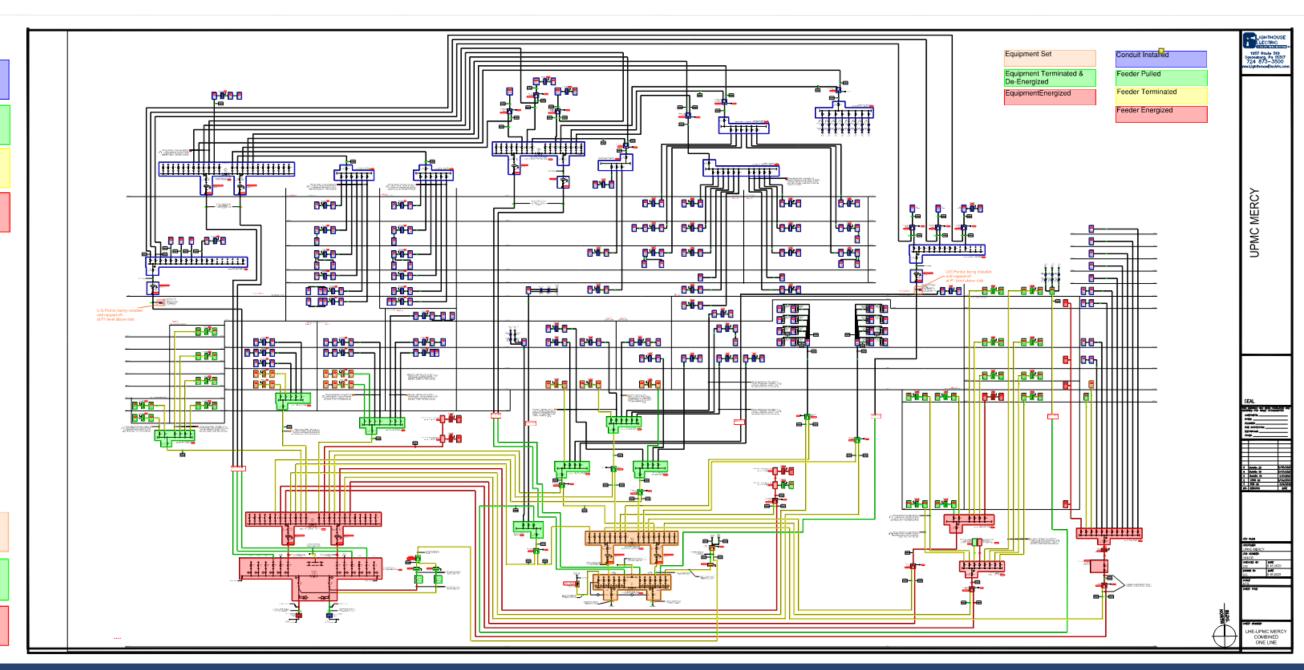
Feeder Terminated

Feeder Energized

Equipment Set

Equipment Terminated & De-Energized

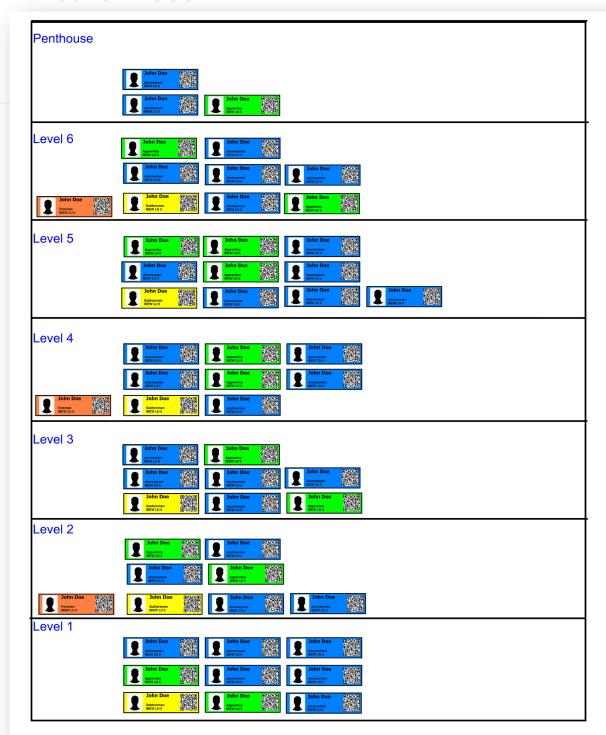
EquipmentEnergized

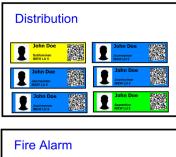


Craft Labor Tracking









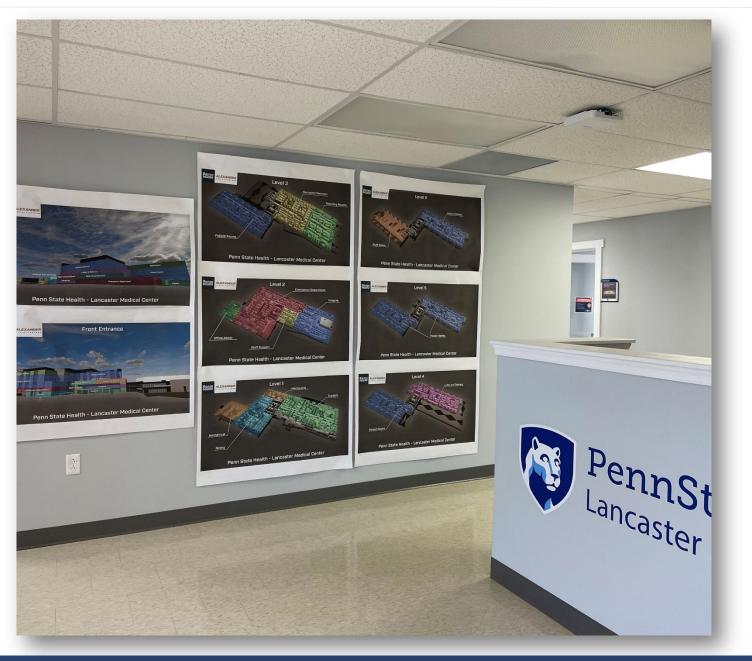




Coordination with Owners and Non-Construction Personnel

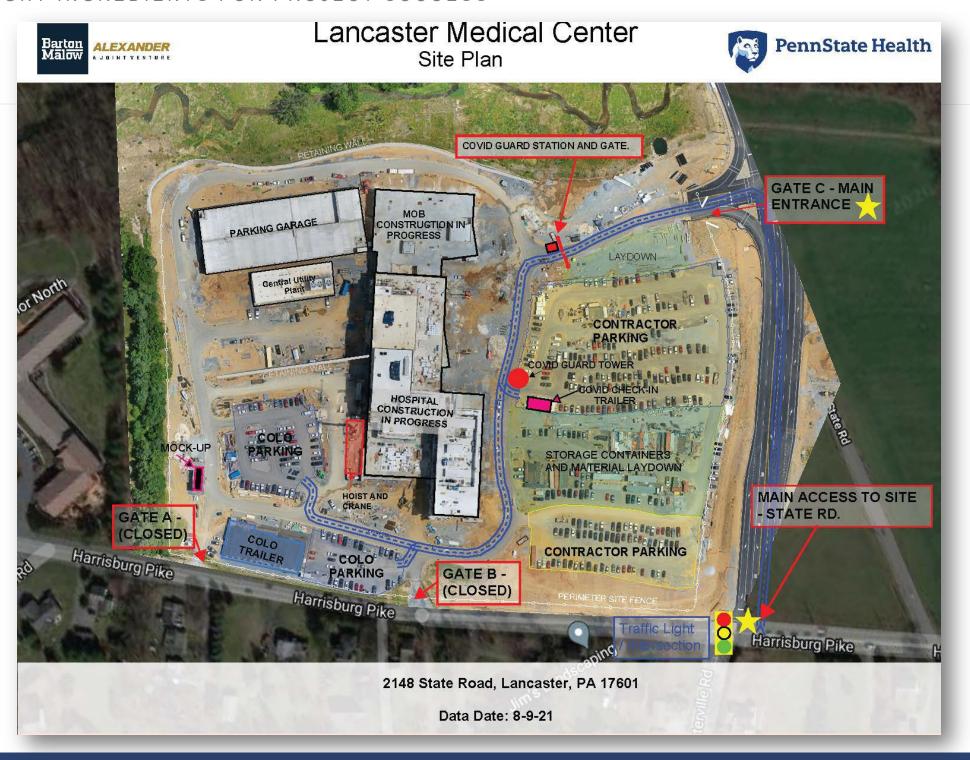


Cater to Multiple Audiences



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Culture, Compassion and Quality Drive Clinical Excellence!

ICE BREAKER

SAFETY

10:30 - 10:40am

10:40 - 10:45am

What is the best piece of advice you've ever been given?

One Screen Go Safe

Temperature Sensors



QR COVID Questionnaire

Mandatory mask use. Except when sitting in your cubicle.

400-460 people working on site 1,183 people through orientation

0 Total COVID cases

0 recordable

HOT TOPICS

Electrical Cluster Group:

- Hospital Security and Hardware Review
- Fire Alarm Comments
- MOB Electrical

Mechanical Cluster Group:

- Drip Pan Locations
- Cold water line between CUP and Garage
- Technology Room Discussion
- Lobby FCU Piping Coordination
- Ice Maker and Coffee Filter
- OR Ceiling Coordination

CUP Cluster Group:

- Flow meter for upstream/ downstream lengths
- Electrical Energization
- Domestic Water Utilization
- Variance Requirements
- FM Global New Comments
- CUP Stairs
- Chem Treatment Start-Up
- Control Valve for By Pass at Condenser Water System

10:45 - 11:00am Interiors Cluster Group:

Wall Protection Graphics

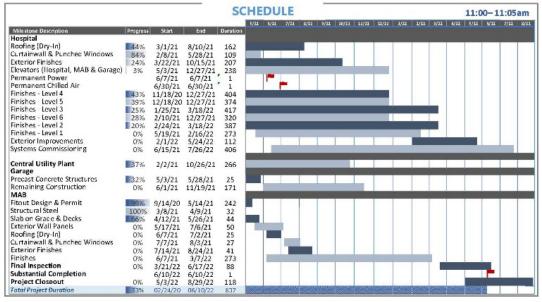
- Door hardware coordination
- Mock-Up Patient Room
- Casework Mockup
- COVID Screens
- Medical Sliders
- Door Finishes
- Pendant Lights

Enclosure Cluster Group:

- CGI Glass Distortion
- Mockup
- Curtain Wall Testing
- EIFS Details
- Stair Enclosure
- Doghouse

Site Cluster Group:

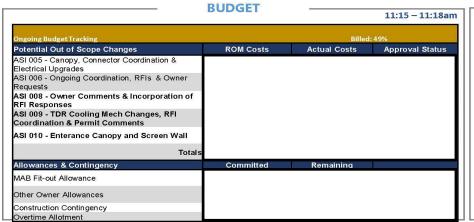
- Lancaster City Water Connection
- Sinkholes
- Concrete Pad Design
- Site Signage
- o FM Global Fuel Containment
- Site Logistics
- Scheduling Praxair
- Ground Water in Electrical Vaults



UPCOMING MILESTONES

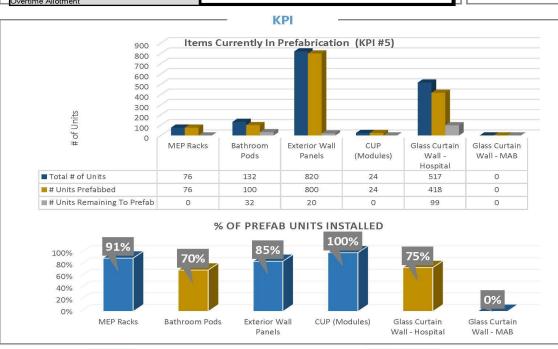






Local Man Power 11:18 – 11:20am Local Man Power 135 73 17 47 210 90 Berks Chester Cumberland Dauphin Lancaster Lebanon York





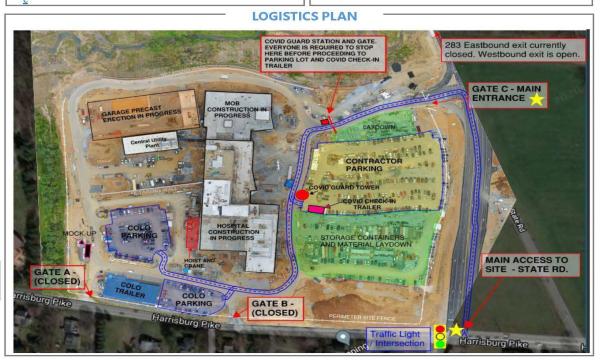
Cameras take a picture every 15min, from 6am to 6pm.

https://www.senserasystems.com/public/project/pshlm

All PA adults are eligible for COVID-19 vaccine as of April 13.

https://vaccinatelancaster.org/

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KUDOS

- · Team: MAB Pricing
- Bazella: Good work

COS / LEAN

Go to www.menti.com and use code 5916 9148

PLUS / DELTA

11:55-12:00pm

Go to www.menti.com and use code



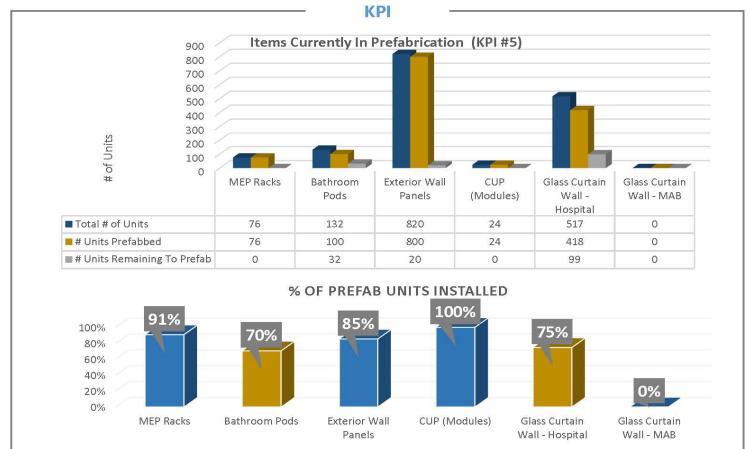
Continuous Improvement

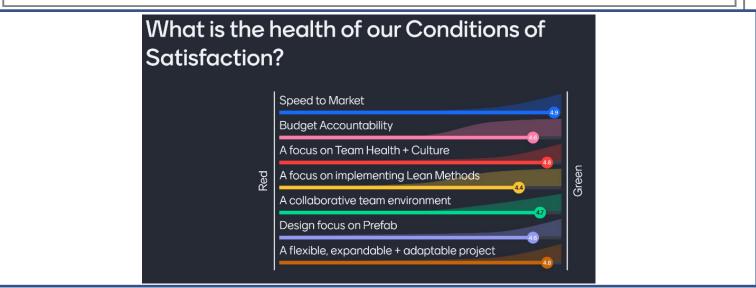


Early Involvement

- Getting teams involved
- What fits the needs of all parties?
 - Format
 - KPIs
 - Output
- Continued assessment.

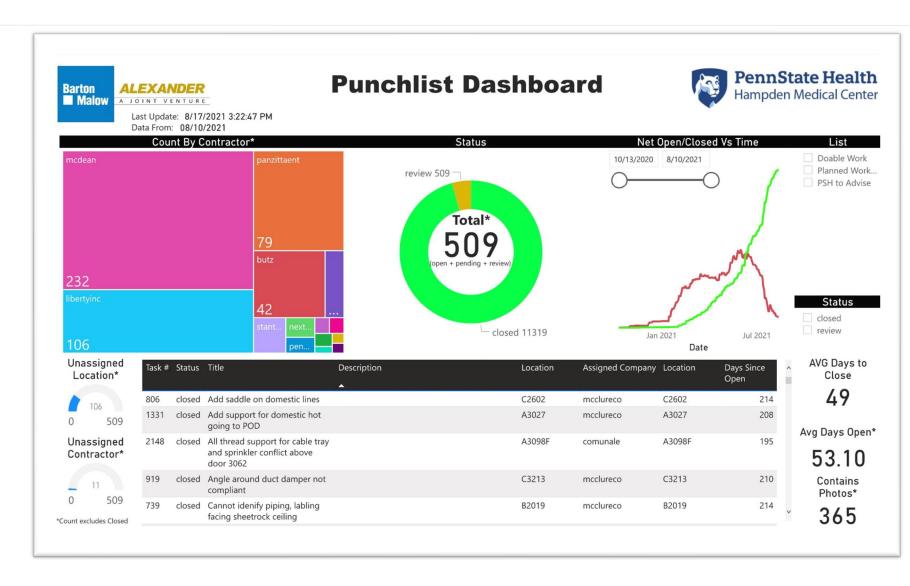






Reach out of the norm

- New tools, Improved Outputs
- Living PDFs / Digital Dashboards
 - Quick visual References
 - Statuses
 - Lock out / tag out
 - Installation tracking
 - Testing / maintenance tracking
- Building Information Modeling (BIM)
- Virtual Information overlay in the field



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Lessons Learned

- VM is an additional way to communicate information
- Importance of real-time information improved communication led to the success of the project both financially and timing-wise
- VM creates transparency amongst the team members
- Not every technique works for every project

How can you start using Visual Management tomorrow?



Make it work for your team

What information do you want to convey?

Who needs to know the information?

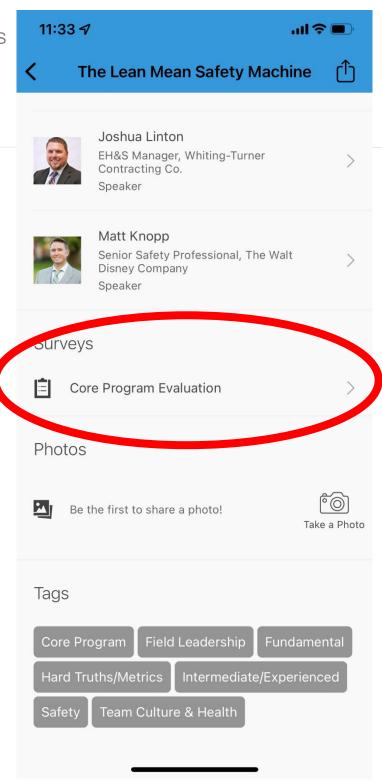


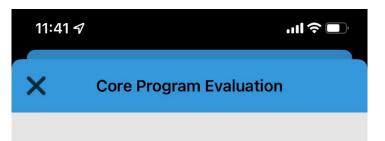
Rate Presentations in the App

Continuous improvement: give presenters your feedback by taking the session evaluation!

- 1. Find the session under "schedule"
- 2. Click on it then scroll down
- 3. Click "core program evaluation"
- 4. Complete the 5-question evaluation

This information will determine the top 5 presentation teams and the top Live Lab





Overall, how valuable was this presentation to you?

Please select an answer:

1 - Not at all2 - Slightly3 - Moderately4 - Very5 - Highly

Next >





In the spirit of continuous improvement, we would like to remind you to complete this session's survey! We look forward to receiving your feedback.



Q&A and Contact Info















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Thank you for attending this presentation. Enjoy the rest of the 24th Annual LCI Congress!

