

Peter L. Rowland, VP Sales



#### **Software**



#### Hardware

as a service per project

as a service per project



Smartapp **PLANNER**<sup>TM</sup>

\$295 / mo

Advanced digital pull planning And CPM scheduling.



Smartapp FIELD™

\$595/mo

Drawings, BIM view & markup, RFIs, Punchlists, Submittals, and more.



Jobsite **BOARD**<sup>TM</sup>

\$595/mo

86" Interactive digital plan board and accompanying equipment.



Jobsite KIOSK<sup>TM</sup>

\$595/mo

Worker in/out kiosk where you can Print worker & visitor badges.



Smartapp **SAFETY**<sup>TM</sup>

\$795/mo

Monitor site worker in/outs and track STAs & Safety permits.



Smartapp **PRO™** 

\$995/mo

Rapidly digitize absolutely any jobsite work stream process.



Jobsite RTLS<sup>M</sup>

\$595/mo

Real-time location tracking of workers, equipment, tools, and more.



Jobsite ACCESS™

\$395/mo

Automate and secure all your jobsite gates with built-in auto attendance & time tracking.

**Lean Construction** 

AGILE PRINCIPLES

LAST PLANNER SYSTEM®

8 WASTES

5S / 6S

5M

**Lean Construction** 

**CRAFTSMANSHIP** 

COMMUNICATION

**COMMITMENT** 

**TRUST** 

# **Agile Construction** Track & Verify **WORK** Dispatch WORK Plan WORK **Schedule WORK** Analyze & Adjust WORK

# **Construction Data**

Once we shift to the jobsite, data collection is mostly indirect.

# Information becomes a lagging effort

- Schedule updates
- Budget updates
- Safety incidents
- Drawing updates



## **Construction Data**

Once we shift to the jobsite, data collection is mostly indirect, versus direct data acquisition.

# Information becomes a leading effort

- Live
- Real-time
- Location-specific
- Context Aware

- Schedule updates
- Budget updates
- Safety incidents
- Drawing updates



# **Construction Data**

Once we shift to the jobsite, data collection is mostly indirect, versus direct data acquisition.

How do you collect accurate, real-time data from the jobsite during construction?

# By turning your Jobsite into an Agile Data Factory



While incorporating

- Lean Methodology
- **Technology Adoption**



#### TURNING YOUR JOBSITE INTO AN AGILE DATA FACTORY

Plan WORK











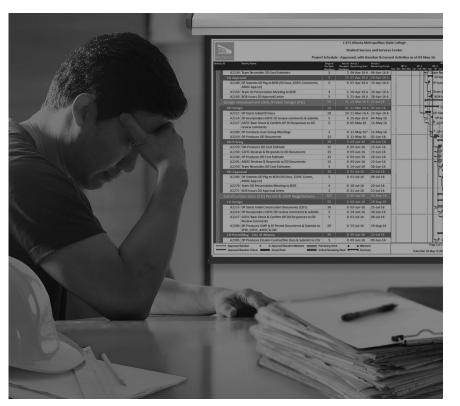
# **Construction Technology**

Why is technology adoption such a big challenge?

The majority of construction technology is built for the back office while the majority of construction *activity* is on the JOBSITE.

### **Process Improvement - Last Planner®**

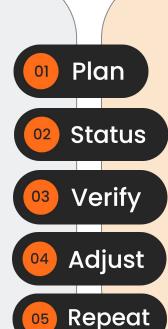




### **Process Improvement**

#### **Identify Waste**

- Defects
- Overproduction
- Waiting
- Non-Utilized Talent
- Transportation
- Inventory
- Movement
- Extra-Processing



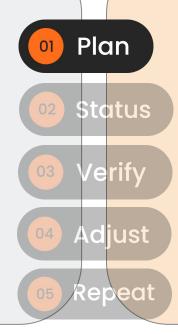
#### **Eliminate Waste**

- Value Stream Map
- Data Collection
- Root Cause Analysis
- 6M
- 5 Why
- Establish Standards
- 6S
- Constant Improvement

### **Process Improvement**

#### **Identify Waste**

- Defects
  - Rework caused by incorrect information
- Waiting
  - Next step in the process unclear
  - Translating pull plan to action



#### **Eliminate Waste**

- Value Stream Map
- Pull Planning
  - Digital / LIVE
- Using mobile friendly, real-time, multi-party common data solution

#### PLANNING transforms from

This -



#### PLANNING Automated



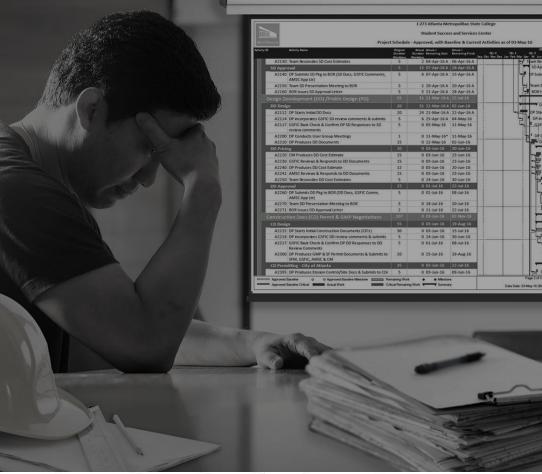




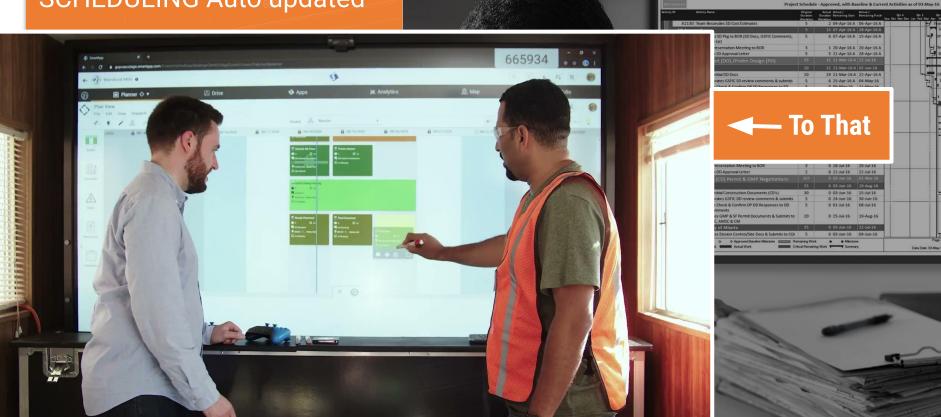


URN YOUR JOBSITE INTO A SMARTSITE™





#### SCHEDULING Auto updated





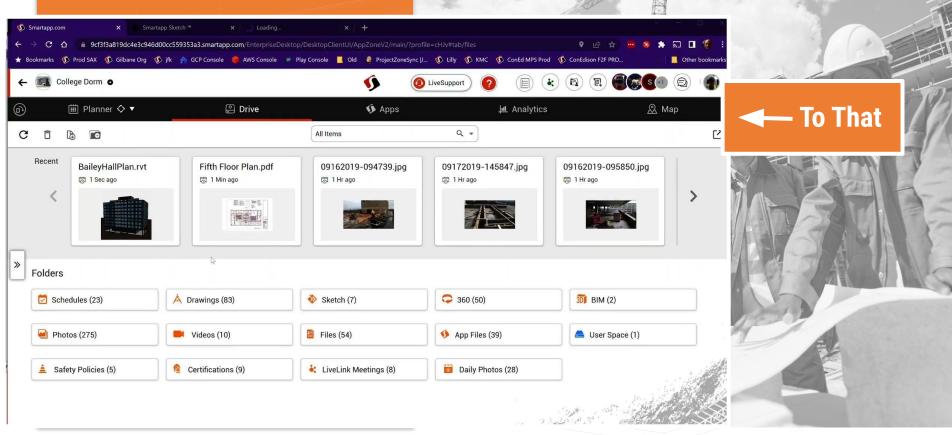
Student Success and Services Center



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#### FIELD COMMUNICATION Live

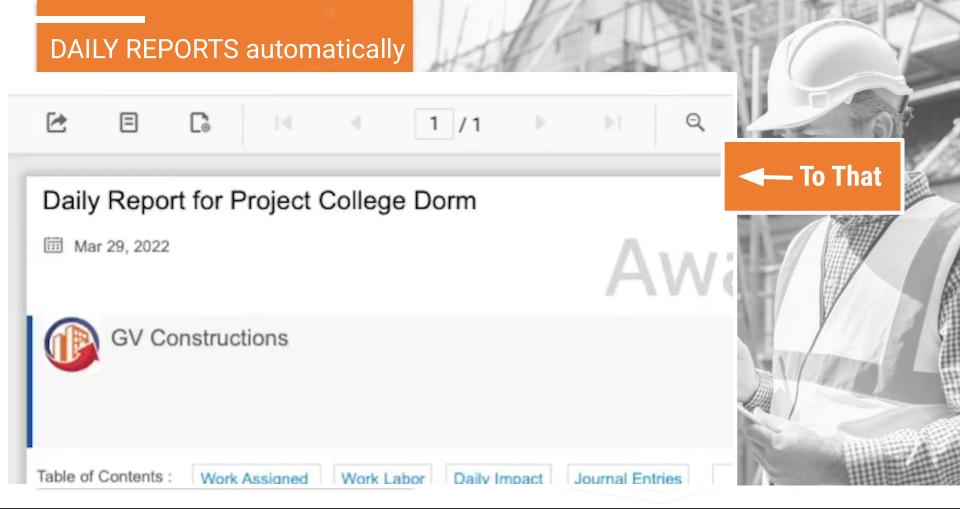


TURN YOUR JOBSITE INTO A



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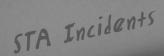


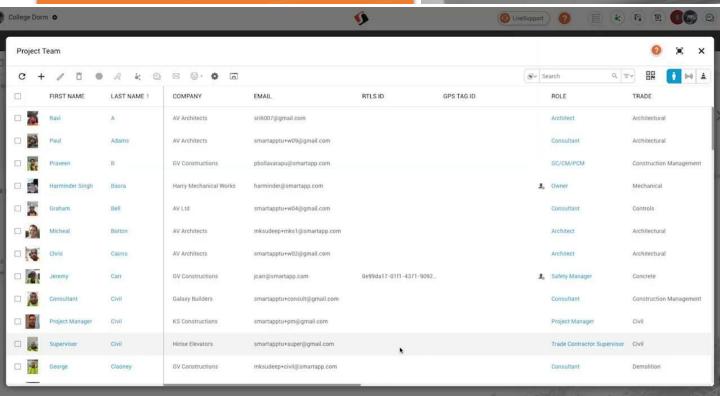
TURN YOUR JOBSITE INTO A

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#### SAFETY MANAGEMENT Live





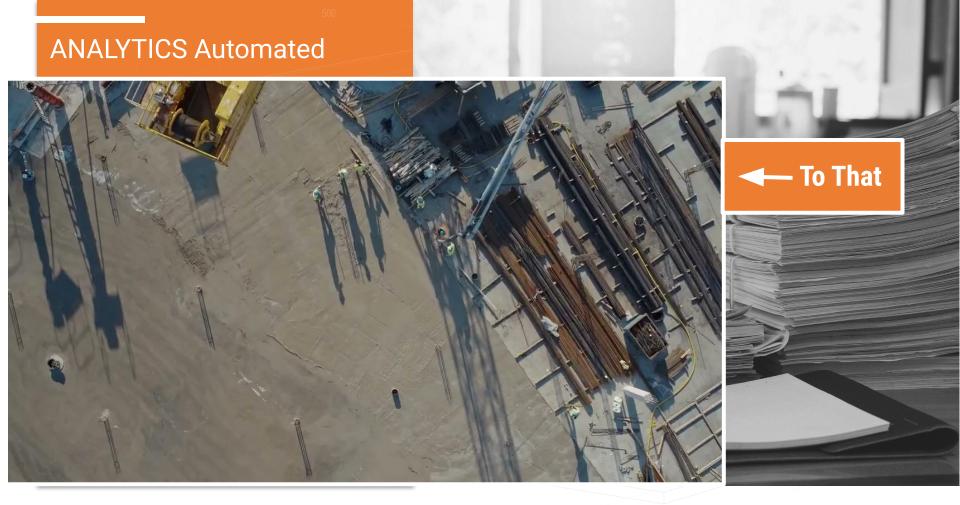


With your Jobsite
Data Factory
up & running...

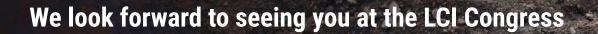


Reports, analytics and visualizations, become live and accurate.





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# VISIT US AT BOOTH #101

Let us help you successfully enable Lean Construction with our technology.



**TURN YOUR JOBSITE** 

INTO A SMARTSITE TO

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