




MODERN TECHNOLOGY AND ITS IMPACT ON CAMPUS M&O




Software for smarter operations

Credit(s) earned on completion of this course will be reported to American Institute of Architects (AIA) Continuing Education Session (CES) for AIA members.

Certificates of Completion for both AIA members and non-AIA members are available upon request.


This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.




Course Description

When technology is constantly changing, it's bound to impact your daily operations. Good news, the latest CMMS trends offer major benefits for your facilities management. Mobility, Geographic Information Systems (GIS), and the Internet of Things (IoT) to list a few. Limble's 2018 research indicates a rise in the adoption of CMMS software this year – don't get left behind. Learn from your peers at Concordia University who leverage mobile and mapping CMMS capabilities to better their campus M&O.



Learning Objectives

- Review current CMMS software trends
- Learn about the benefits of mobile access for M&O
- See how GIS data can impact your operations
- Hear from peers who leverage their mobile app & GIS data



Presenters


Brad Hunter
Sales Director – Higher Education
Dude Solutions

Jerry Novak
Director of Buildings and Grounds
Concordia University-Ann Arbor

Jon Zickermann
EHS Officer/GIS Administrator
Concordia University-Wisconsin

Agenda

PART ONE	Owning Your Operations
PART TWO	IoT, Mobile & GIS
PART THREE	Concordia University Case Study
PART FOUR	How The Dude Can Help
PART FIVE	Q&A







OWN YOUR OPERATIONS



Quick Assessment

Does your organization...


- > Have a CMMS that is asset-centric?
- > Have technicians using mobile devices to track work in the field?
- > Have a system to record data on time, costs, work performed, and integrate with other financial systems?
- > Have a system that leverages APIs?
- > Utilize PM schedules?
- > Have *the right* CMMS?

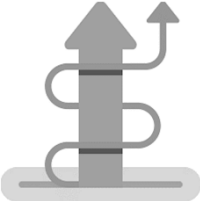
FIRST STEP TO OWNING YOUR OPERATIONS...

...GET *THE RIGHT* CMMS


WHAT CAN THE RIGHT CMMS DO FOR YOU?



Inevitable Benefits



- > Saved time
- > Increased productivity
- > Less error
- > Higher employee satisfaction
- > More strategic capital planning
- > Better communication & organization
- > Better use of budget resources



Does Your CMMS Include...?

- › Good mobile app
- › Ability to view work orders & assets on a map view
- › Ability to pull in GIS data
- › Integration with a capital planning solution
- › Ways to help you reduce energy consumption & costs
- › Data & KPIs to inform decision-making
- › Process to streamline event management
- › Option to manage inventory and purchase orders (POs)
- › Cloud-based solution
- › Live support via phone, chat, email
- › Reports to justify requests for budget, staff, resources
- › IoT integration



CMMS Trends for 2019

- › IoT (Internet of Things)
- › Mobile Access
- › GIS (Geographic Information Systems) Data



LEVERAGING IOT



What is IoT?

- › IoT = Internet of Things
- › Simple definition: taking things in the world and connecting them to the internet
- › IoT allows CMMS to "talk to" your assets/equipment to measure & record related data




Benefits: IoT with CMMS

- Monitor assets/equipment more effectively:
- › Increase data analytics & cost-saving opportunities
 - › Predict asset/equipment failures
 - › Become more proactive & less reactive
 - › Track usage (ex: vehicle mileage, hours run, etc.)
 - › Condition monitoring (ex: temperature change, vibration spikes, etc.)
 - › WOs automatically generate when asset/equipment readings fall outside of the threshold you set up



MAKING YOUR MAINTENANCE MOBILE






Why Go Mobile?

1. Gain time and efficiency
2. See fewer errors
3. Have more accurate reports
4. Use your budget more wisely

Benefits: Mobile App with CMMS

- › Technicians can work freely in the field
- › Create, view & complete WOs from anywhere
- › Increase productivity & efficiency
- › Better managed workflows
- › Save on time & costs
- › Easy to use
- › Fewer errors
- › Attach photos/details from job to the WO
- › Enter accurate information on the spot
- › Real-time updates & communication



WHAT & WHY OF GIS




What is GIS?

GIS = Geographic Information Systems


- › Framework for gathering, managing & analyzing data
- › Analyzes spatial locations
- › Identifies patterns, relations & situations

...or simply put, it's a map




Why GIS?

- › Manage work orders, GIS assets & maintenance activity in one place using a map view
- › View upcoming work spatially
 - › Measure & plan effective routes
- › Connect work orders & work histories with assets in the field
- › Update work & assets in real-time
 - › Mobile app
- › Access & manage living data to improve reporting
- › Store data for current – and future – staff



Key Benefits

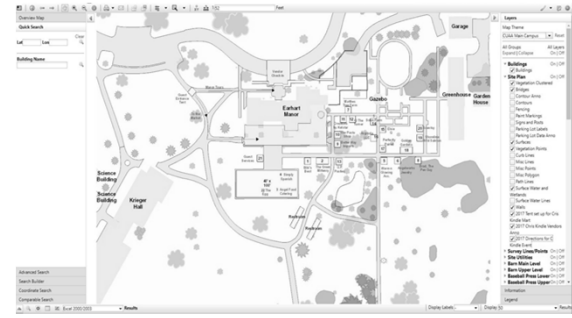


Concordia University: GIS Use Cases

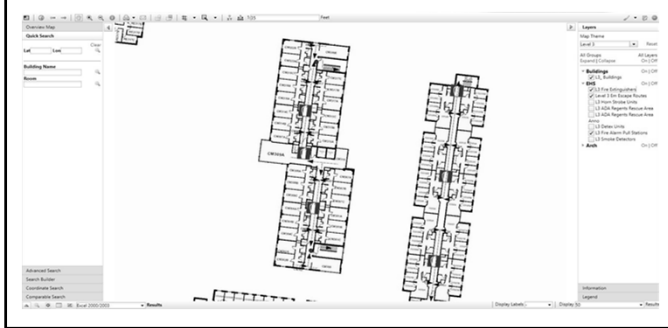
- › Event planning
 - › Measuring tool, find out square footage
- › Life safety
 - › Fire extinguishers, smoke detectors, inspections
- › Tree data/facility condition assessment
 - › Knowing how many, where they are, what condition they're in



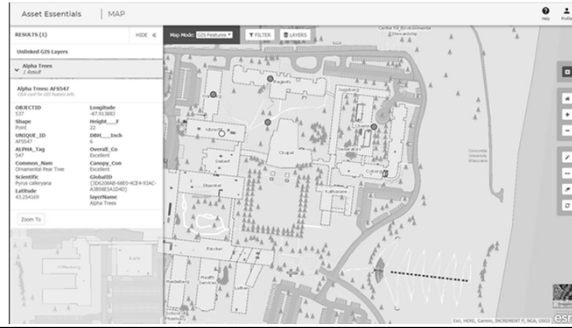
Concordia University: Event Planning



Concordia University: Life Safety

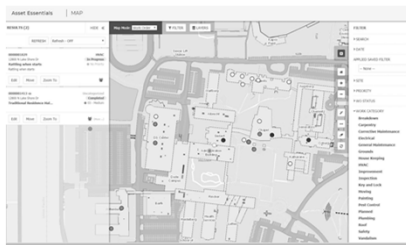


Concordia University: Tree FCA



Benefits: GIS with CMMS

- › Visually identify trends & clusters
- › Maintain & update your data
- › Faster knowledge transfer
- › Filter for what is important to you
- › Common foundation between systems



Overall Takeaways


- › Improve operations on your campus with modern technology – IoT, Mobile Capabilities, GIS
- › Find solution(s) with the technology that will work best for your campus
- › Start small
 - › You don't have to do complete overhaul at once
- › Improve efficiency & service to your organization



How might Dude Solutions help?

Our CMMS Includes:

- › Good mobile app
- › Ability to view work orders & assets on a map view
- › Ability to pull in GIS data
- › Integration with a capital planning solution
- › Ways to help you reduce energy consumption & costs
- › Data & KPIs to inform decision-making
- › Process to streamline event management
- › Option to manage inventory and purchase orders (POs)
- › Cloud-based solution
- › Live support via phone, chat, email
- › Reports to justify requests for budget, staff, resources
- › IoT integration




SOFTWARE TO SOLVE EVERY CHALLENGE THAT COMES YOUR WAY

EDUCATION


WORK & ASSET MANAGEMENT	ENERGY MANAGEMENT	EVENT MANAGEMENT	TECHNOLOGY MANAGEMENT
ASSET ESSENTIALS™	ENERGY MANAGER™	EVENT MANAGER™	HELP DESK™
INVENTORY™	UTILITY BILL POPULATION™	TRIP PLANNING™	INSIGHT™
GIS ASSET MANAGEMENT™	INTERVAL DATA RECORDING™		
CAPITAL FORECASTING™			

WHAT'S INCLUDED




Cloud-based

- › Unlimited users
- › Automatic updates



Mobile

- › Access information wherever you are, whenever you need it
- › Tablet + smartphone




Supported

- › Professional Services
- › Interactive Classes
- › Lifetime Support

Q&A

This concludes The American Institute of Architects Continuing Education Systems Course



THANK YOU!

Have questions? Get answers!

11000 REGENCY PKWY #110
CARY, NC 27518

@DudeSolutions

866.989.3833

DudeSolutions.com