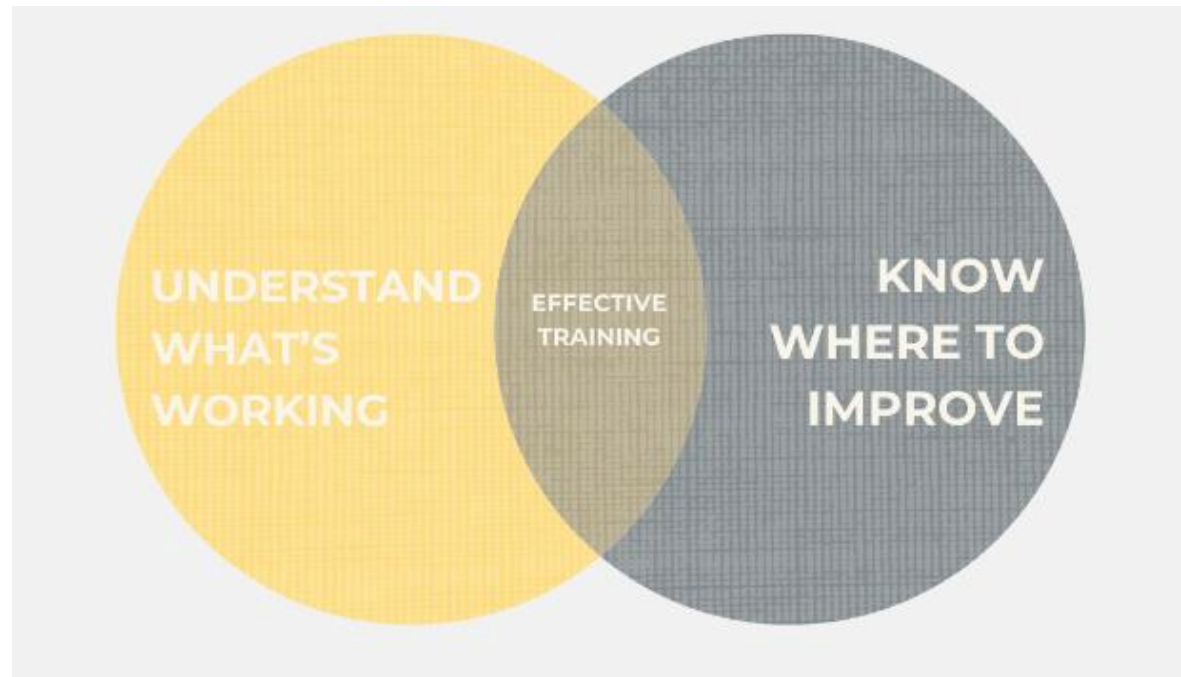


How to Measure Success: Cleaning, General Maintenance, and Indoor Air Quality



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Cleaning, General Maintenance, & IAQ

This session focuses on today's cleaning standards and how to appropriately account for proper staffing and cleaning expectations.

- What equipment, technology, and staff trainings, are available?
- How can we measure success?
- How do we set the expectations?



The economic dilemma:
Unlimited wants - limited Resources.



Introductions

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Criteria to Determining Labor

- Net Cleanable Square Feet and it's space utilization
- Age of building and design
- Density of Population – Students/Staff/Visitors
- Events – Special Projects



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What is the Expected Look?

- What are key visual cues that tell you it's Clean?
 - What is acceptable and not acceptable – high to low?
 - Are there differences based on space Utilization?
 - Are there surfaces that must be disinfected daily?
 - Tasks of cleaning, What's the frequency?

Huddle!!!



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Budget - Additions, Changes, Inflation

- Zero based or previous years adjustment
- Anticipated changes
- Cost savings efforts
- Regulations requiring changes
- Cost changes on labor, chemicals & supplies



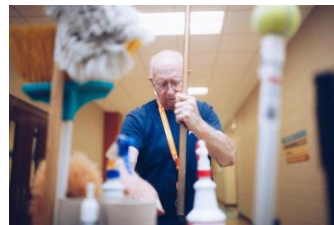
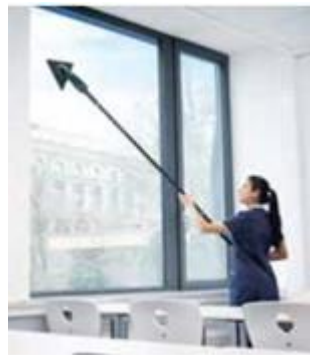
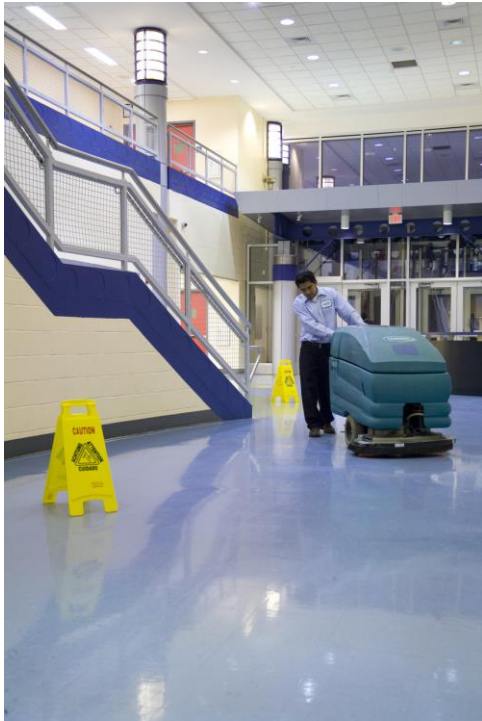
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Equipment and chemicals selection?

- Based on volume of the task, staff, criteria, and substrates/materials being Cleaned!



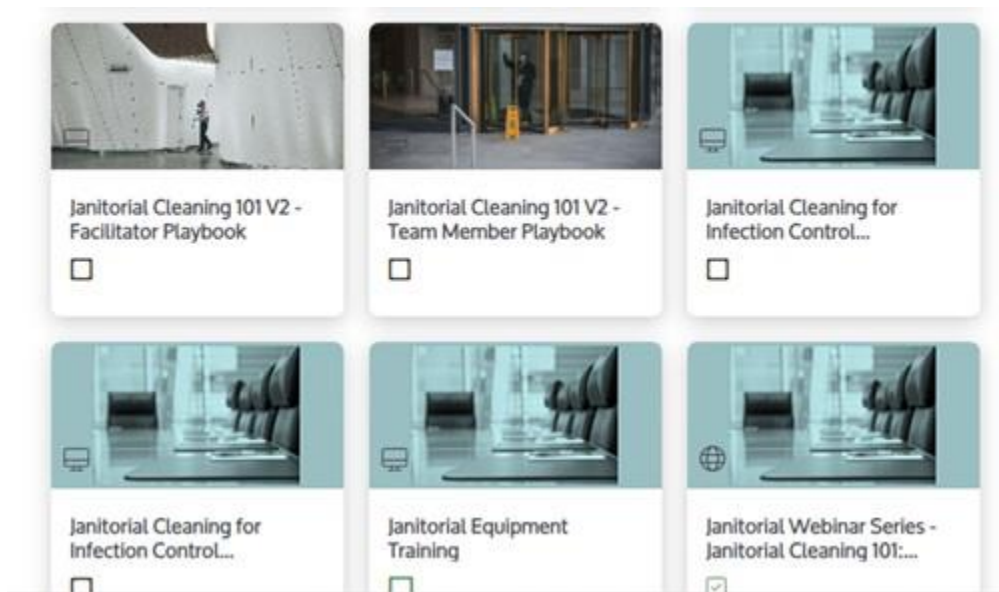
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Onboarding & Training

A comprehensive onboarding and training program that reflects the service level expected, expected safety outcomes, and develops the staff for additional responsibility and/or succession. Training documentation!



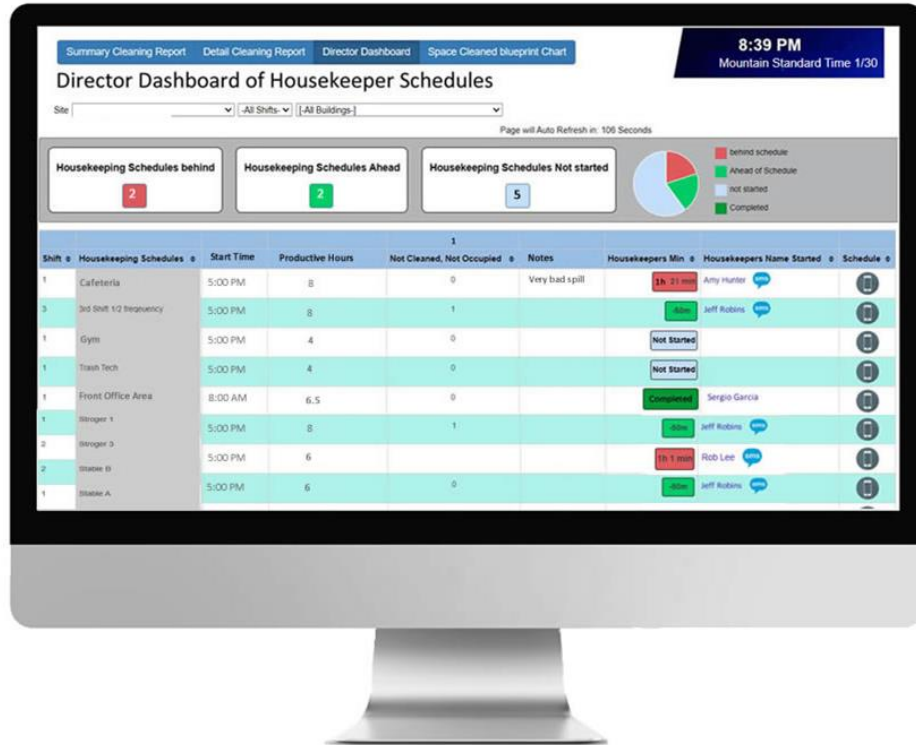
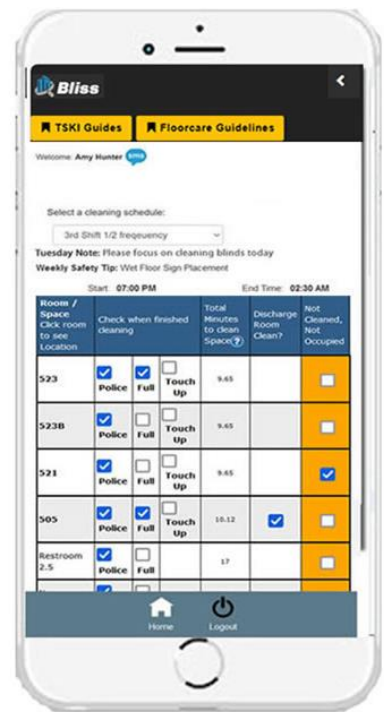
Pod Training 1 School Year



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How are scheduling and duty lists created?



1st Shift Schedule Name / Number Ammi Hyde building M-F Add New Ammi Hyde building M-F (1st Shift - 43)

Ammi Hyde [-All Floor-] Add Space via Space Matrix

Shift Time: Start: 7:00 AM End Time: 3:30 PM Position: Housekeeper

Duty List Daily Notes

Please only enter a number in this box below if this is a part time position duty list. Ex: 20 hours a week

Part Time Productive Minutes: 435 Nonproductive Minutes: 45 Productive Hours: 7.25

All Days	Days Scheduled	SUN	MON	TUE	WED	THU	FRI	SAT
Minutes on Duty List		0	414	414	414	414	414	0
Project and/or Travel Time		0	0	0	0	0	0	0
Totals		0	415	415	415	415	415	0
Minutes left to schedule		0	20	20	20	20	20	0

Building	Floor	Department	Room	Square Feet	Fixtures	Space Group	Minutes	SUN	MON	TUE	WED	THU	FRI	SAT	Copy
Ammi Hyde	1st Floor	Congress	12s Classroom	625	0	Classroom	20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ammi Hyde	1st Floor	Congress	c3 Classroom	625	0	Classroom	20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ammi Hyde	1st Floor	Congress	c102 Rest Room	64	4	Restroom Public	8.05	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ammi Hyde	1st Floor	Congress	100g Rest Room	56	6	Restroom Public	10.79	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ammi Hyde	1st Floor	Congress	con16 corridor	185	0	Corridor	5.92	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ammi Hyde	1st Floor	Congress	con13 Office	100	0	Office	3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ammi Hyde	1st Floor	Congress	c100 Office	100	0	Office	3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Project Cleaning – How often and what Process?

- Floors – Strip and Refinish vs. Scrub and Refinish, Stone-Terrazzo, concrete
- Pressure washing
- No Touch Cleaning – restrooms and showers
- Wall Washing
- Carpet Encapsulation and deep extraction
- Upholstery
- Windows



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QA and Verification

- Visual inspection
- Fluorescent marker
- ATP inspection
- Newer picture technology
- Optisolve



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Event and Building Setup

- Is there an event Scheduling tool in the School (CMMS) visible by all and notification to department with time and set up?



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How satisfied are you with the Service?

- Is communication good?
- Are their regular meeting?
- Is the management team always available to contact?

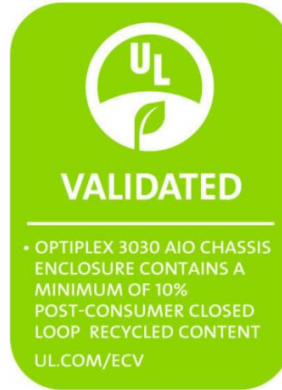


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Sustainability and Waste?



LEED v4.1
BUILDING OPERATIONS
AND MAINTENANCE



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General Maintenance – What to include?

- Does it require license or apprenticeship?
- Is there training?
- Safety precautions, ppe
- Are there tools and Equipment Required?
- What is the Time required and will it take time away from existing tasks?



Can we make a list?



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Indoor Air Quality Products

- Reduce VOC's, airborne pathogens, CO₂?
- Have you tried TiO₂ for windows, stainless, paint?
- Needle Point or Bi-Polar Ionization with filtration?
- UVC technologies? 222nm, 254nm, Variable Wavelength
- Dry Hydrogen Peroxide
- Portable, HVAC, Fixture



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How do you measure IAQ and What?

Do you want a portable device that measures and shows IAQ or do you want reporting?



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Questions and Answers

We thank you for your time!



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Presenters

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