

Wireless Product Technologies Introduction and Overview

SLOAN®



Presenters



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Agenda

This presentation will cover “Smart Restrooms”:

- How we got here
- Why the world is moving to intelligent wireless restroom solutions
- What’s in it for me?
- Introduction to Sloan wireless products and strategy
- Which technology is right for you?
- Summary and Q&A



What is a “Smart Restroom”?



...an intelligent space that will transform efficiency, comfort, and safety for people and assets

Benefits of a Smart Restroom

- **Efficiency**
 - Remote operation
 - Real time alerts
 - Water savings
 - Labor cost savings
- **Comfort**
 - Issue avoidance
 - Water availability
 - Lack of service interruptions
 - Privacy
- **Safety**
 - Line flush
 - Social distancing
 - Health and welfare alerts



The U.S. Generational Shift

1901-1927 The Greatest Generation

1.7 M

1928-1945 The Silent Generation

20.9 M

1946-1964 The Me Generation (Baby Boomers)

69.5 M

1965-1980 Generation X

65.1 M

1981-1996 Generation Y (Millennials)

72.1 M

1997-2012 Generation Z (Zoomers)

67.1 M

2013 - 2030 Generation Alpha

40 M

54.3%



Evolution...

...of alerts



Customer Complaints



Leaks



Fire



Explosion



Strange Noises



High Pressure



Low Pressure



Texts



Management Systems

...of service



...of monitoring and control

Manual

Touch-free

Touch-free Control

Remote Control

Why the World is Moving towards Smart Restrooms

- Building Management Systems (BMS) have evolved to drive
 - Operational efficiency
 - Comfort
 - Patron safety
 - Sustainability
- The restroom is the “last frontier” for building management due to
 - Privacy concerns
 - Lack of applicable technology
- Restroom water usage is a high percentage of all water usage in commercial buildings



Office Buildings
40%

Hospitals
40%

Hotels/Motels
30%

Schools
45%

What's in it for me?

Cost Savings



Save me time

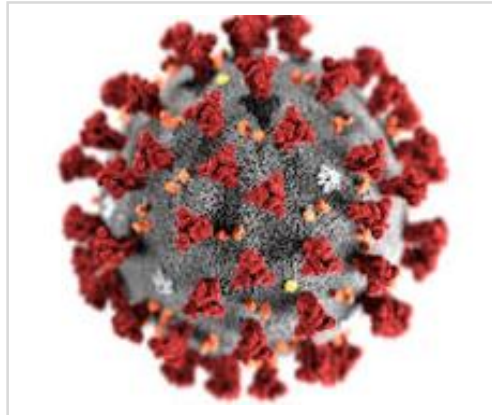


Save me money



Make me money

Superior Performance



Healthier facilities



Compliance & reporting



Make my life easier

The truth – There is no “one size fits all”



Sloan Smart Restroom Solutions



SLOAN[®]

Faucets
Flushometers
Soap Dispensers
Hand Dryers

Sensor



SLOAN
CONNECT

Data Collection
Adjust Settings
Troubleshooting

One-to-One
Wireless Communication



PWT **tooshlights**[®]
Programmed Water Technologies by Sloan® know where to go

WIRED **WIRELESS**
Network Cloud Based
Alerts Alerts
Reports Reports
Signage

One-to-Many
Wireless Communication



SLOAN[®]

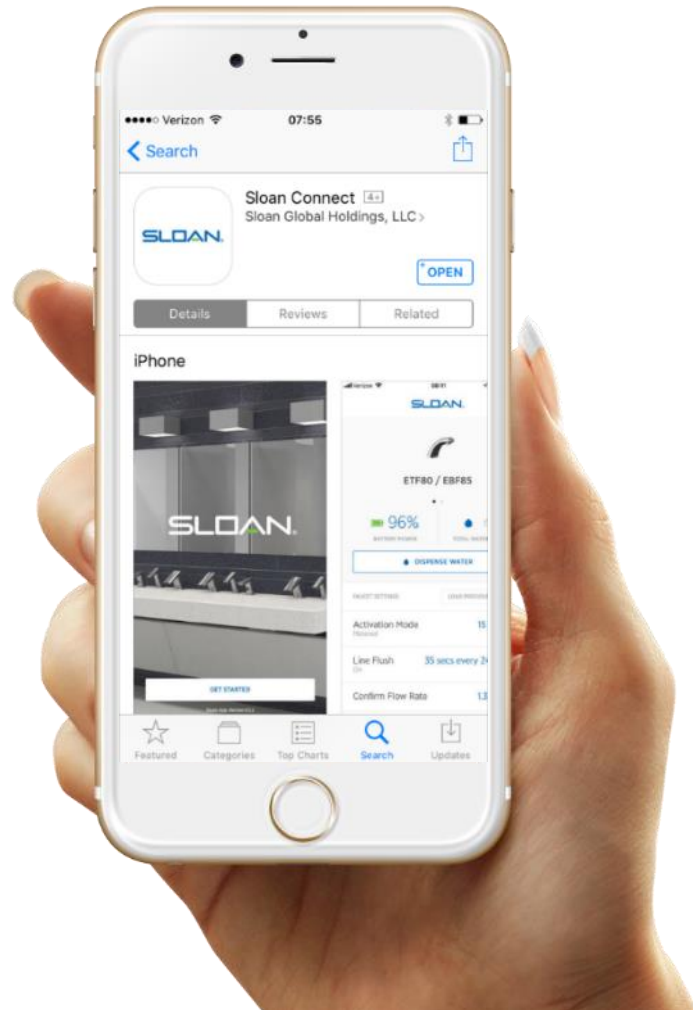
COMING SOON!

WIRELESS
Cloud Based
Multi-facility
Alerts
Reports
Analytics

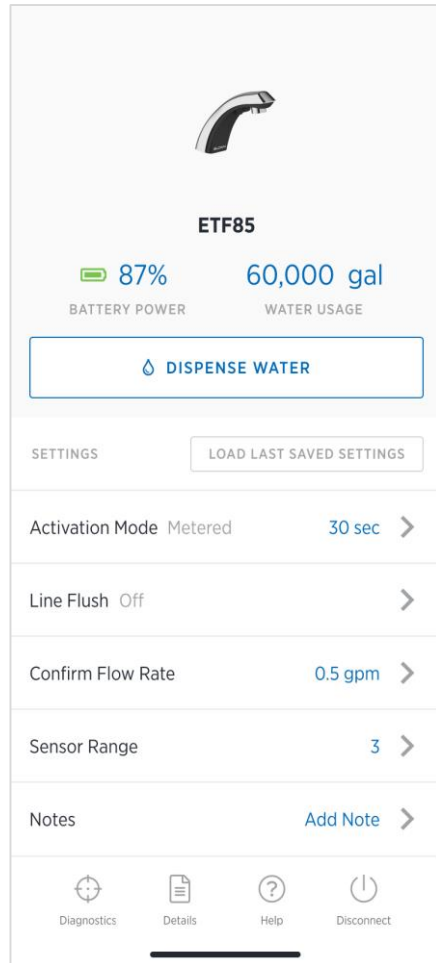
Many-to-Many
Wireless Communication



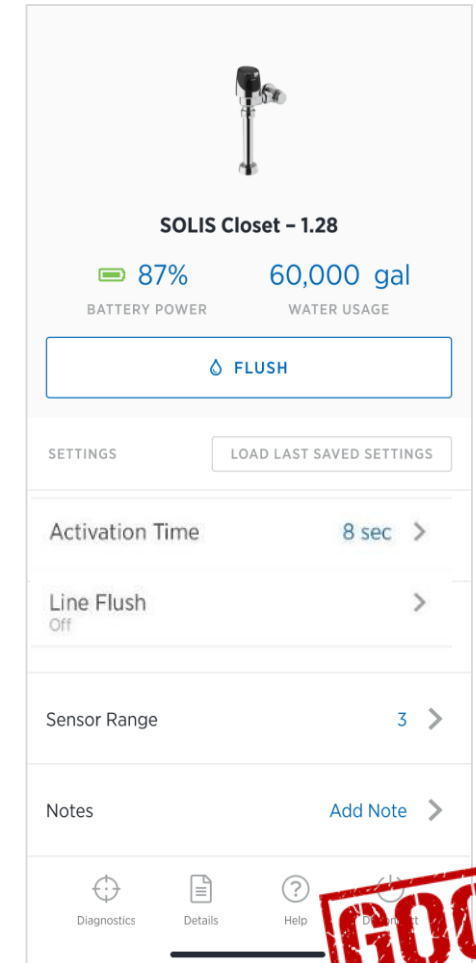
Sloan Connect



Adjust, Measure, and Manage



Faucet	Setting	Flushometer
✓	Sensor Range	✓
✓	Activation Mode	NA
✓	Activation Time	✓
Adjustable	Flow Rate/Flush Volume	Fixed
✓	Line Flush	✓
✓	Dispense/Flush	✓
✓	Battery Level	✓
✓	Water Usage	✓
✓	Diagnostics	✓
✓	Device Details	✓
✓	Notes	✓

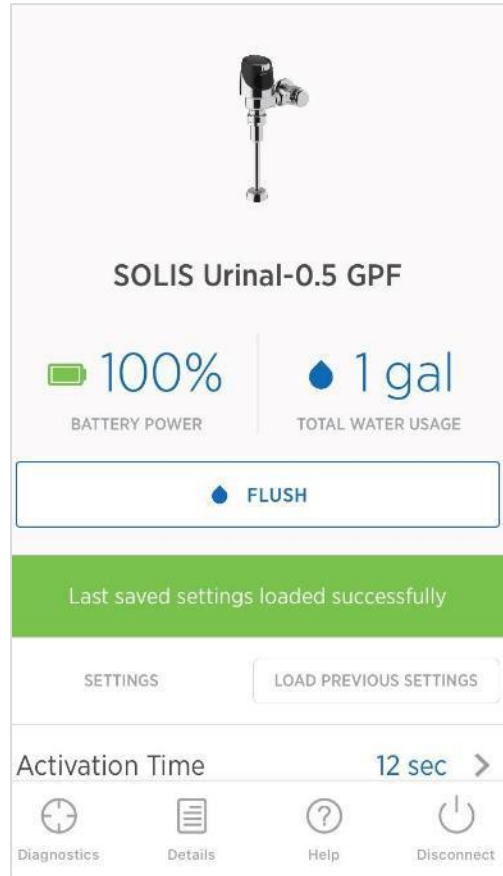


Existing Faucets with Sloan Connect Capability



GOOD

SOLIS-BT Flushometer/RESS with Sloan Connect



GOOD

PWWT

Programmed Water Technologies by Sloan®

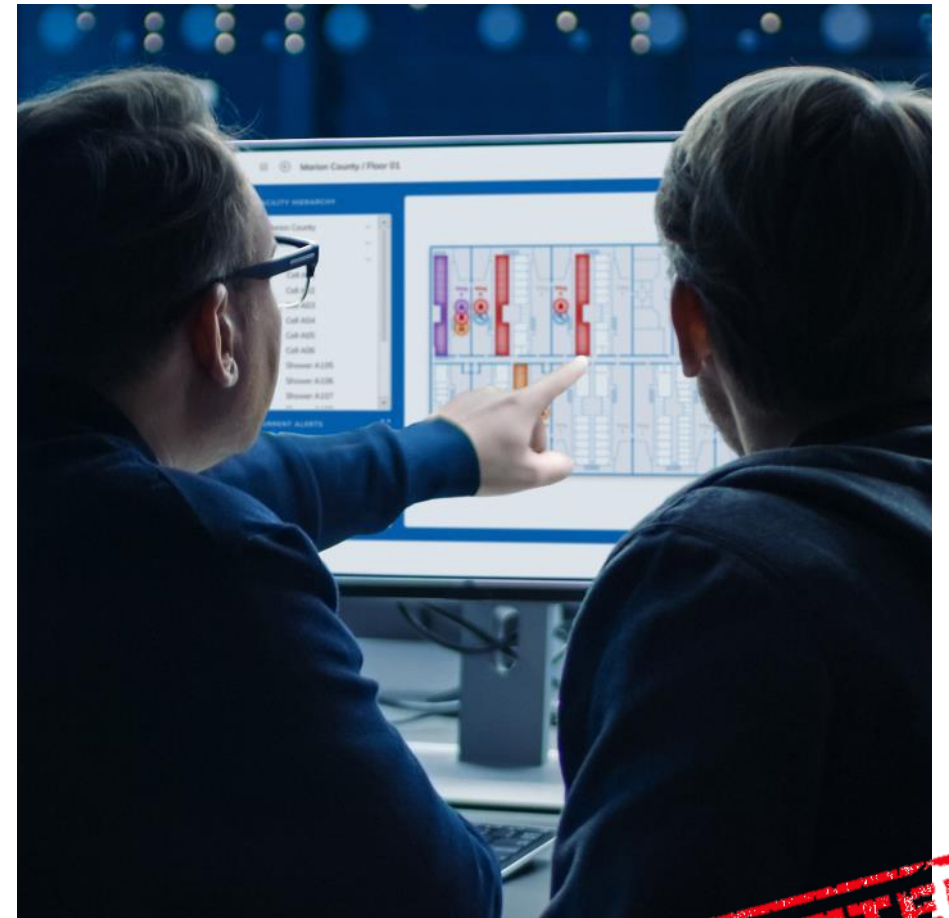
SLOAN®

BETTER

PWT is a Water Management System

- 'One-to-Many' control covering entire facilities to manage water use
- Designed to minimize vandalism risk
- Consists of several products - configurable in many ways for different applications
- Devices can be programmed and adjusted remotely
- Generates alerts and reports

PWT sets new rules for user behavior

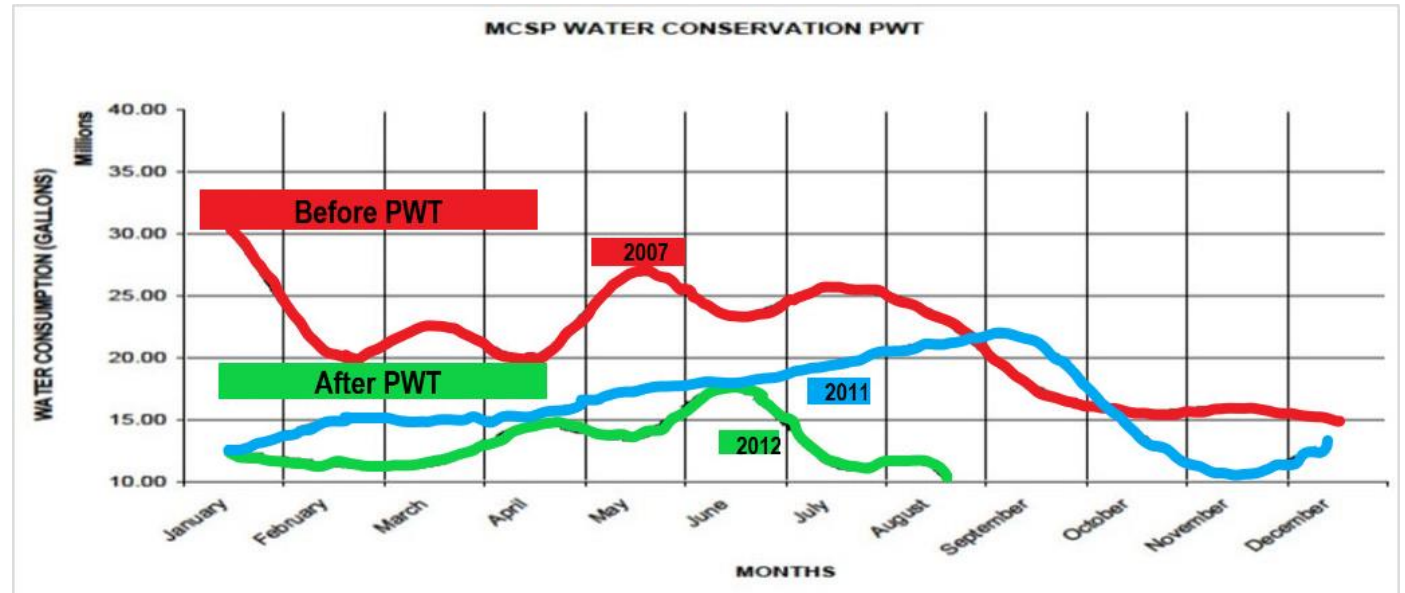


BETTER

Tremendous Water Savings, Excellent ROI



Mule Creek State Prison, Ione, California



Institution	Year	Month	Water Consumption in Gallons	Wastewater Flow
MCSP	2007	January	30,067,489.00	29,016,000.00
MCSP	2011	January	12,486,364.00	16,047,000.00
MCSP	2012	January	12,330,000.00	11,157,086.00

BETTER

PWT Applications Where Misuse, Privacy, and Vandalism are Concerns

- Behavioral health facilities
- Hospital/Drug testing labs
- Gyms, YMCA
- Highway restrooms
- Educational facilities
 - Locker rooms
 - Restrooms
 - Sports facilities



PWT Applications Where Water Management is a Priority

- Public showers
 - no manual handles to break
 - limits rinse-off shower time
- Water parks
- Race tracks
 - pit crew showers
- Parks and recreation facilities





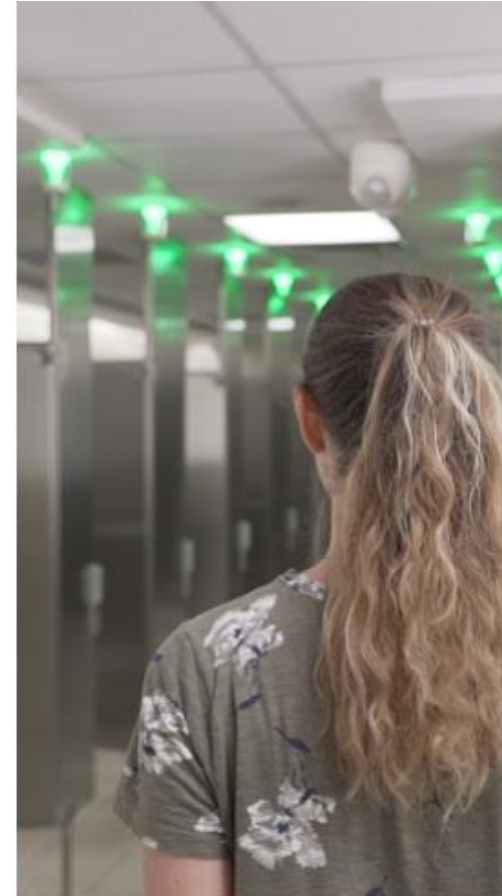
Tooshlights[®] Restroom Traffic Management System

SLOAN[®]

BETTER

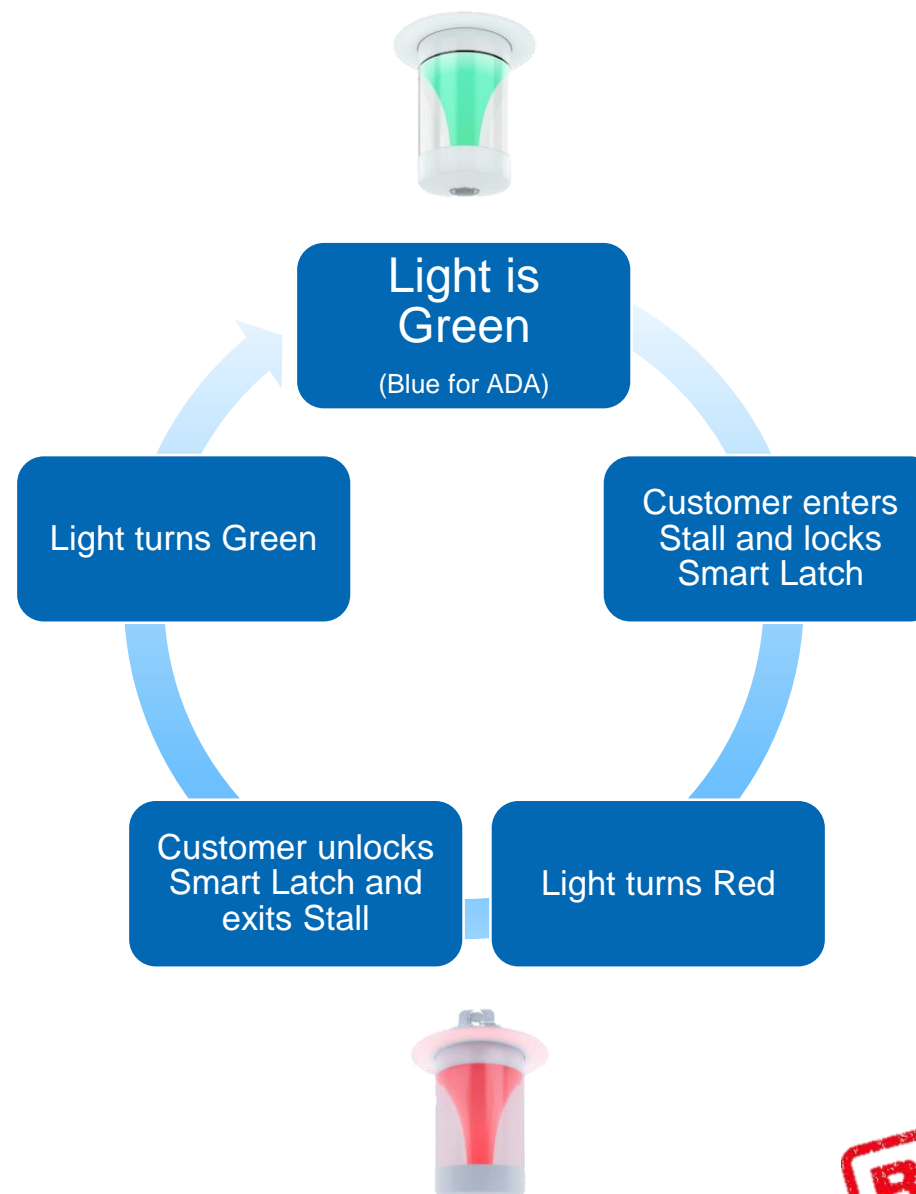
Tooshlights Restroom Traffic Management System

- Communicates restroom stall occupancy, so that your guests “know where to go[®]”
- Improves communication
- Raises venue profile
- Enhances guest experience
- Creates an efficient way of SOCIAL DISTANCING



BETTER

How It Works



BETTER

Tooshlights Improves the Restroom Experience



Enables social distancing –

Walk only where needed



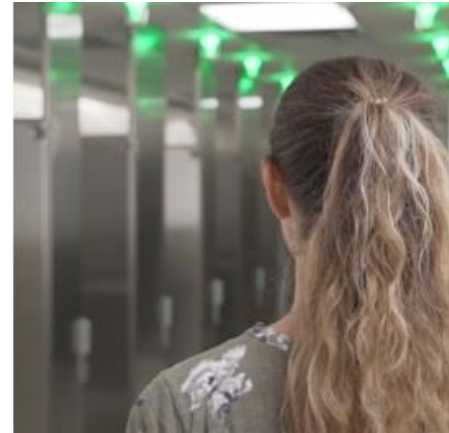
Improves hygiene –

No need to touch doors to determine occupancy



Improves privacy –

No need to peek under door/through crack



Efficient traffic flow –

Available stalls quickly identified



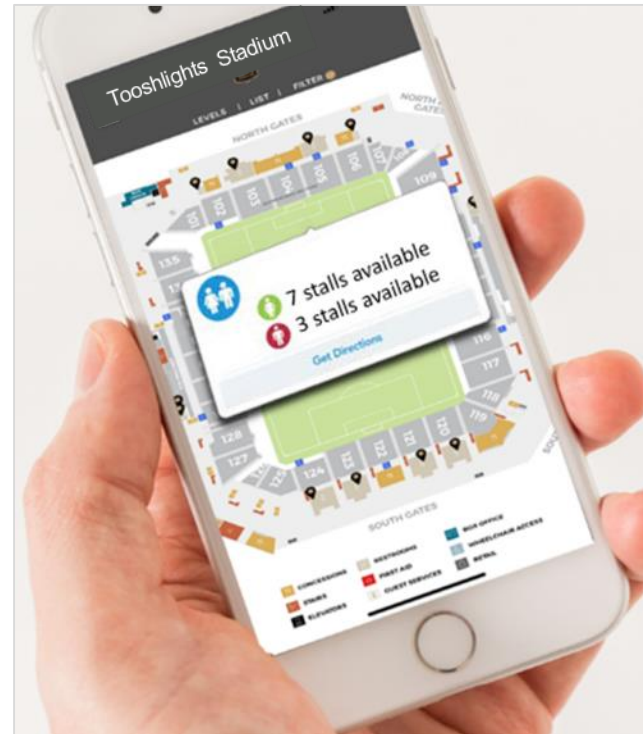
Improves safety

Alerts facility when occupied time exceeds threshold

Signage Options



API Integration



Media Pick-up



Image courtesy of CBSN Channel 2, Los Angeles, CA



Image courtesy of Bloomberg Finance LP


Tooshlights can be integrated with a venue APP for maximum customer satisfaction



BEST: Multi-product, Multi-location, Remote Management



Product Information



Optima® Hardwired-Powered Deck-Mounted Mid Body Faucet

SKU: ETF-80 DONGLE SERIAL NUMBER: SRS-025825663744

REGISTERED (UTC): February 26, 2020, 1:23 AM OPERATING HOURS SINCE INSTALLED: 786

TOTAL ACTIVATIONS: 445

INSTALLED LOCATION: Franklin Park / Main Floor / Shop Floor / Foreman's Locker Room

[Relocate Device](#)

DEVICE CONDITION

The device is operating normally.

BATTERY LEVEL

100%

Daily battery level (up to last 180 days)

AVG. DAILY ACTIVATIONS

6.27

Activations/day (up to last 30 days)

Diagnostic Tools

Status Settings Actions

<p>HUB CONNECTIVITY Last Reported: 10 minutes ago</p> <p>Connected</p>	<p>SIGNAL STRENGTH Last Reported: 10 minutes ago</p> <p>-46 dBm</p>
<p>SENSOR STATUS Last Reported: 1 month ago</p> <p>Normal</p>	<p>VALVE STATUS Last Reported: 1 month ago</p> <p>Normal</p>

Last 5 Alarms

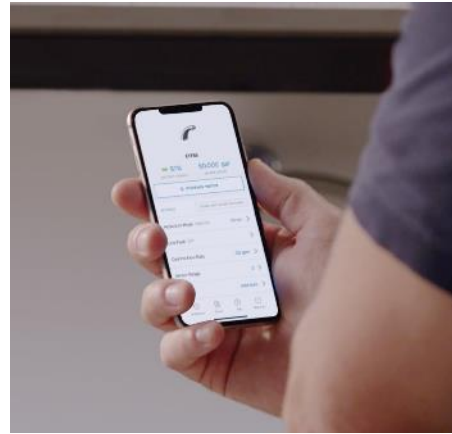
ALARM	STATUS	OCCURRED
20200325-2CD8	OPEN	2 weeks ago
20200325-CB79	OPEN	2 weeks ago



Which Technology is Right for You?



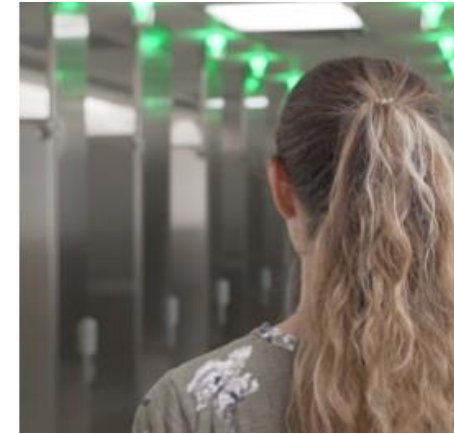
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CONNECT






PWT
Programmed Water Technologies by Sloan®

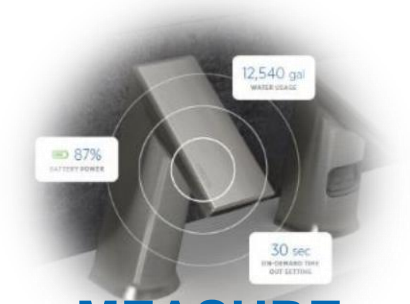


tooshlights®
know where to go

Contact your local Sloan Rep to determine which Smart Restroom system is right for you!

Summary

Category	Products	Markets	Benefits
Good 	EBF, ETF, EFX (BASYS), and most EAF Faucets SOLIS-BT Flushometers and RESS Kits	All	Quick and easy retrofit Off-network Economic Data collection
Better 	PWT Programmed Water Technologies	Corrections Education Behavioral Health Parks & Recreation	System control vandal resistant monitoring reports and alerts
Better 	Tooshlights	Airports & Transportation Stadiums & Arenas Hospitality Entertainment & Gaming Commercial Office	Customer experience Social distancing Privacy Monitoring Reports and alerts
Best	More to come		



MEASURE



MONITOR



MANAGE



Questions?

Find your local Sloan representative for more information

Sloan Rep Locator tool

- Local code knowledge
- Familiarity with existing sites
- Product knowledge
- Available for onsite consultation

Sloan Customer Care Center

Phone: 800.982.5839

Hours: 7:00 AM - 5:00 PM (CST) Monday - Friday

customer.service@sloan.com

Sloan Technical Support

P: 888.756.2614

F: 800.737.3061

techsupport@sloan.com



Upcoming Sloan Training Webinars



December 3rd

Introduction to Sloan
Mobile Handwashing
Stations



December 10th

Top Mount Sensor
Flushometers – Part 3,
Flushometer Care and
Service 101



December 17th

Introducing the new
Sloan "Clark Street"
and "Rush Street"
Faucet Collections

Training Comments, Questions, or Suggestions?

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