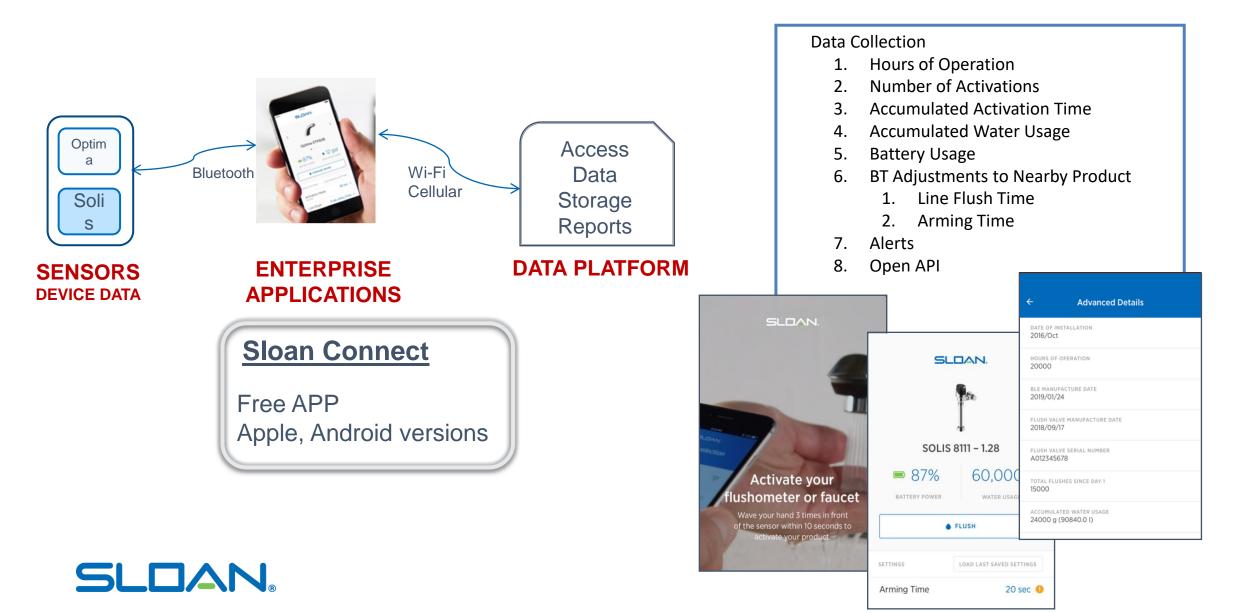
Smart and Connected Restrooms: Sloan SC Argus Pro Overview December 2022

VIIII

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Sloan Connect ®: Mobile APP Smart Solution



Moving From Connected to Smart

SC Argus Pro Sloan Connect (Since August, 2018) Local Person Remote Operation, Local Bridge 1 to 1 Communication **1 to Many Communication** Manual, Intermittent Collection Automatic, Regular Data Collection Local Program, Diagnostics **Remote Program**, Diagnostics Stored Data **Delivered Information**, Reports, Alerts

Device Monitoring & Management



Sloan Smart Restroom

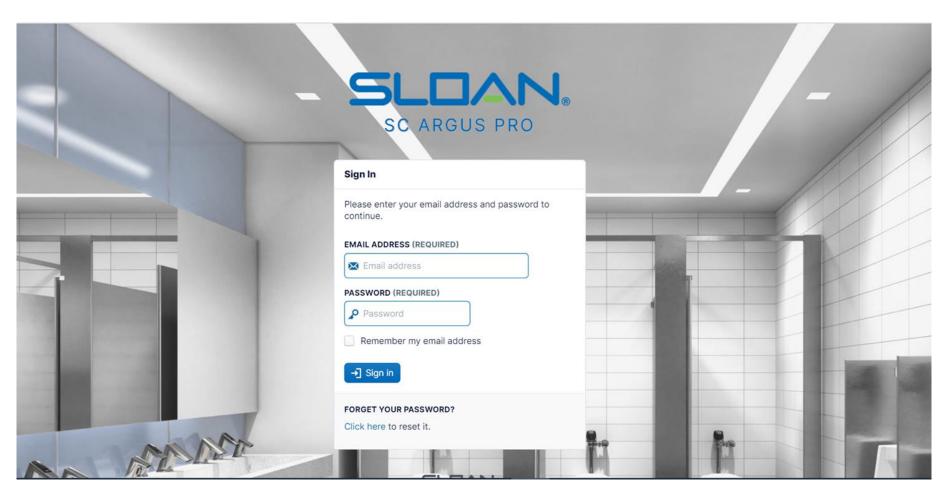
- Provides information about connected products
- Identifies potential issues
 before they occur
- Results in labor savings and cost efficiencies
- Increases customer satisfaction



Two Way Communication: Collects data from products, sends commands to products



Sloan's SC Argus Pro Smart and Connection Restroom Solution





Value to Customers



Smart Systems Provide Value from Labor Savings, Hygiene Aspects, Report Preparation



- Labor and Time savings
- Hygiene, health aspects
 - Line flush
 - Warm / hot water available early mornings
 - Hygiene ratios (faucet to toilet activations)
- Swift issue resolution through alarms, diagnostics
- Value of reports, usage trends & information



Time Savings



Preventative Maintenance Timing

Monitor Key Usage Comparisons for Anomalies, Taking correct part first time

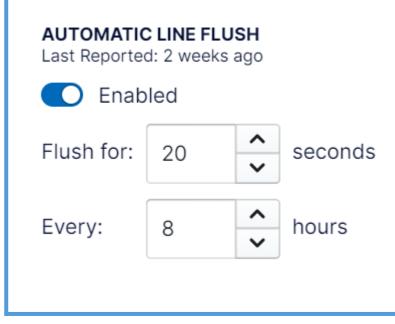
Battery replacement time frames

Report Preparation

Line flush labor



Line Flush Benefits



- Minimizes chlorine build-up, stagnant water issues
- Helps prevent microbial growth in lines
- Averts flushometer leaks, issues caused by lack of use; parts drying out
- Keeps smelly gases and bugs from coming up through dry traps and bowls into the room causing health, sanitation issues



Report Preparation

- LEED sub-metering by product, restroom, area
- Sanitary / Dept. of Health compliance reports by room, area
- Validates water savings from use of reclaimed water in toilets, urinals for rebates, etc.
- Reports to validate steps taken / did everything could to minimize risk
- Stay In Front of Regulatory Compliance Issues

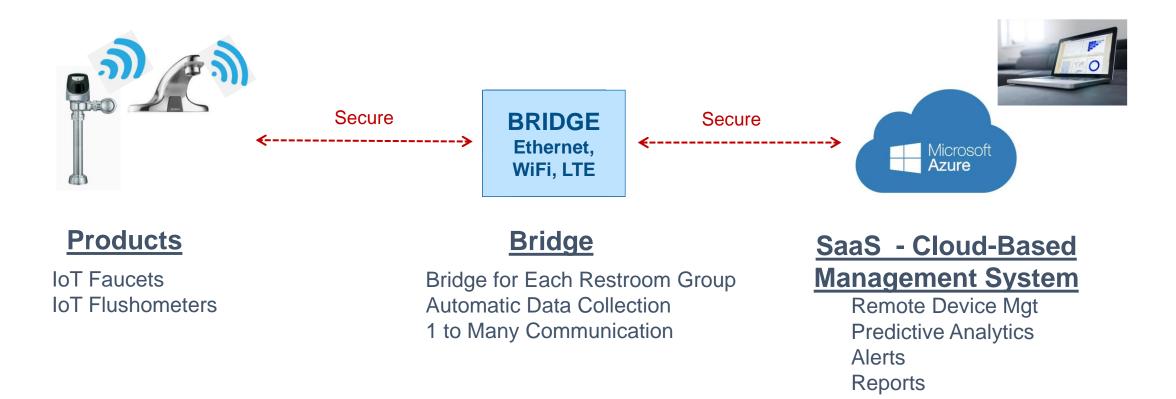
Reports Please select from any of the reports shown below to learn more in-depth information about the devices installed in your facilities Usage, by Location Alarms, by Device ふ Usage by Device (0) 50 Total activations and water consumption for Total activations and water consumption for Total alarms for every device. Filter by every device. every location time, device type and SKU. Alarms, by Location **Time Since Last Activation** Devices, by SKU (\circ) T Total alarms for every location. Total SKUs per account Timestamp of last activation for every device Useful in locating infrequently used devices. \$‡ **Hygiene Report** ŝ, 5 **Battery Percentage Level Average Faucet Activation Time** Hygiene ration based on total faucet Battery level of devices in a room, floor, Faucet activation time in seconds activations to fluhsometer activations area, or facility



Features and Capabilities



Sloan's IoT Smart Restroom Solution



Two-way communication: Date is sent from products and commands are sent to products



Smart Restroom Features

Features

- Dashboard giving a quick overview of functionality
- Four levels of facility layout
- Product detail pages, diagnostics, battery level information
- Usage and data analytics
- Programmable line flushes with automatic interaction
- Customized Reports
- Alerts with email, text notifications

Management Capabilities

- Three user profiles
- Automatic access expiration for contractors
- Audits of product, user activity
- Monitor alarm to acknowledge to resolve time cycles
- Real time insights



Security Measures

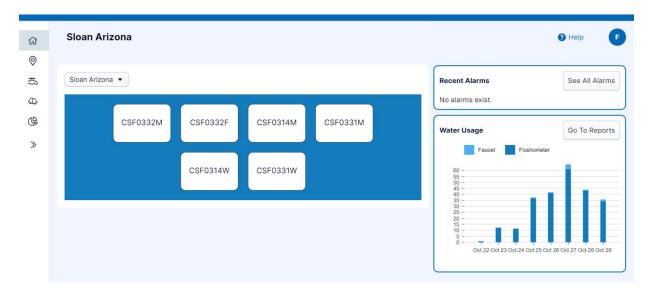
- User login
 - Invitation only
 - Password protection
 - Feature access control
 - Expiration date for contractors
- Data and Command Security
 - Encryption
 - Unique SecRemote technology
 - Wireless protocol not supported by phones – more difficult to hack
- Microsoft Azure security- SOC II compliant





Provides Remote Management and Control of Sloan Products

- Dashboard
 - Facility View
 - Recent Alarms
 - Water Usage Trend
- 4 Levels of Locations
- Devices Set-up and Management
- Alarms
- Reporting
- Built in Help, FAQs, Product documentation





Report Preparation

- LEED sub-metering by product, restroom, area
- Sanitary / Dept. of Health compliance reports by room, area
- Validates water savings from use of reclaimed water in toilets, urinals for rebates, etc.
- Reports to validate steps taken / did everything could to minimize risk
- Stay In Front of Regulatory Compliance Issues

Reports 端 Usage by Device Usage by Location \$ Alarms by Device Alarms by Location Usage by Device report shows total Usage by Location report shows total Alarms by Device report shows total Alarms by Location report shows total activations and water consumption for activations and water consumption for alarms for every device. Filter by time, alarms for every location. every individual device. every location. device type and SKU. Ō Time Since Last Activation Devices by Model 🔣 Hygiene Report Battery Percentage Level Time Since Last Activation report shows a Devices by Model report shows total Hygiene Report shows hygiene ration Battery Percentage Level report shows based on total faucet activations to timestamp of last activation for every device models per account. battery level of devices in a room, floor, device. Useful in locating infrequently area or facility used devices Average Faucet Activation 8 One-Hundredth Activation \odot 🚊 Bridge Listing Time One-Hundredth Activation report shows Average Faucet Activation Time report Bridge Listing report shows all bridges the timestamp of the 100th activation for shows faucet activation time in seconds every device.

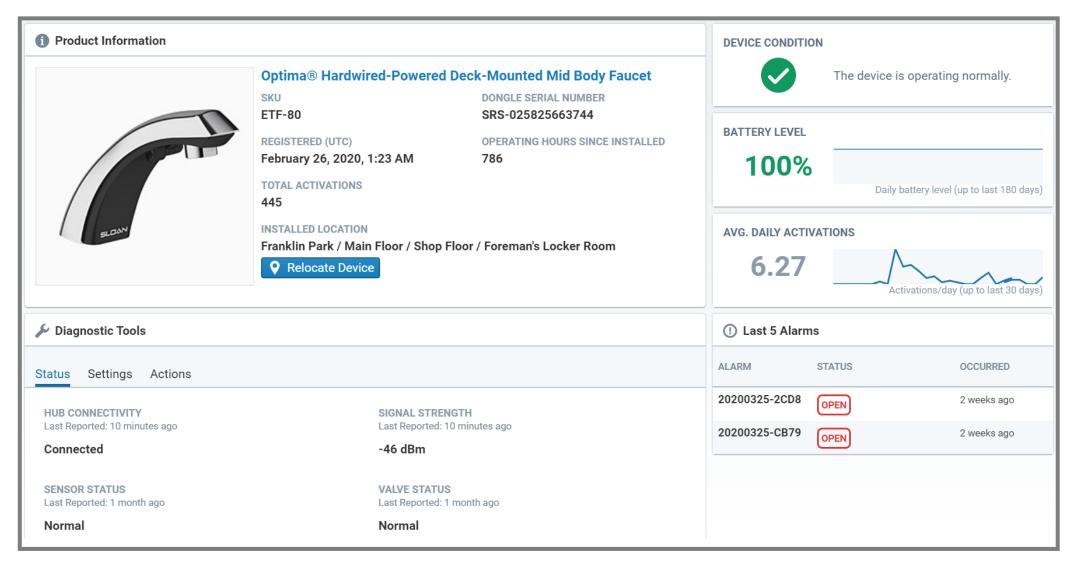


Thank You!

Faye L. Badger Product Line Manager, IoT <u>Faye.Badger@Sloan.com</u>



Faucet Detail





Privileged and Confidential

Flushometer Detail

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Device Information

The Solis Flushometer is a solar powered, sensor operated flush valve. It operates by means of an infrared sensor that detects use and automatically flushes itself. It also contains special sensors that collect information on its use, battery power level and can perform diagnostics. The Solis Smart Flushometer also includes a secure wireless communication module to send the data to the Smart Restroom solution.

1 Product Information			DEVICE CONDITION	DEVICE CONDITION	
	SOLIS® Exposed Sensor Water	DONGLE SERIAL NUMBER		The device is operating normally.	
	SOLIS 8111-1.6 REGISTERED (UTC) February 26, 2020, 1:42 AM TOTAL ACTIVATIONS 1,577 INSTALLED LOCATION Franklin Park / Main Floor / Shop Flo	S DN ain Floor / Shop Floor / S Womens Restroom		Insufficient data Daily battery level (up to last 180 days	
✤ Diagnostic Tools			() Last 5 Alarms		
Status Settings Actions			ALARM S	TATUS OCCURRED	
HUB CONNECTIVITY Last Reported: 7 minutes ago		SIGNAL STRENGTH Last Reported: 7 minutes ago		2 months ago	
Connected				RESOLVED 2 months ago 2 months ago 2 months ago	
SENSOR STATUS Last Reported: 5 months ago		Last Reported: 5 months ago		RESOLVED 2 months ago	
Normal	Normal		20200325-BECE	4 months ago	

