TOTO®

COMMERCIAL PRODUCTS

IoT-ENABLED SMART RESTROOM

A PARTNERSHIP FEATURING

KOLO | Smart Monitoring System

GP PRO
Georgia-Pacific

WHAT IS THE KOLO™ SMART MONITORING SYSTEM— AND HOW DOES IT MAKE CONNECTED RESTROOMS POSSIBLE?

TOTO's innovative fixtures join GP PRO's proprietary sensors and KOLO communication technology with industry-leading reliability of enMotion and Compact dispensers.

TOTO®
Toilet-1
Low Water Flow
44 min ago

TOTO®
Soap-1
Refill
25 min ago

OVERDUE
Tissue-1
1 Roll Out
2 hrs ago

Towel-1
Paper Jam
12 min ago

avius®
Feedback-1
Litter on Floor
4 min ago

High Traffic
Cleaning Check
1 min ago

YOUR ONE-STOP PLATFORM FOR CONNECTING SMART RESTROOMS
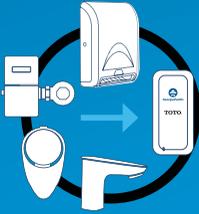
Data transmitted from GP PRO dispensers, TOTO fixtures, and third-party devices to collectors.

Data securely uploaded to the internet via wireless communication

Data stored and analyzed in the cloud

Data sent to easy-to-use KOLO™ mobile and desktop applications

Open architecture enables KOLO™ data to be seamlessly integrated into third-party applications

Sink-1
Water Not Flowing
6 min ago

TOTO
Urinal-1
Water Running
21 min ago

Georgia-Pacific
Sanitizer-1
Replace Battery
19 min ago
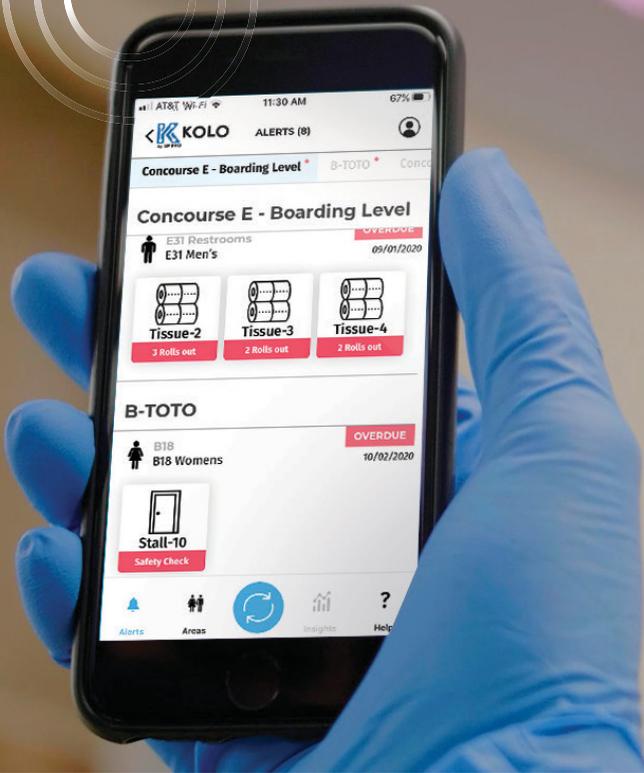
REAL-TIME DASHBOARD
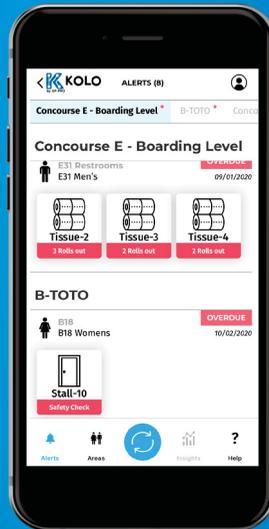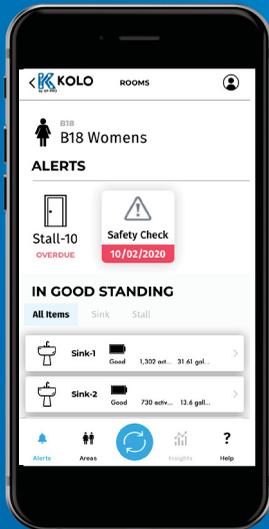
DASHBOARD

TOTO's IoT Smart Restroom provides a holistic solution for the entire restroom, giving your the ability to remotely manage your facility and fixtures in real-time.

IMPROVE OPERATIONS.
ENHANCE RESTROOM EXPERIENCE.
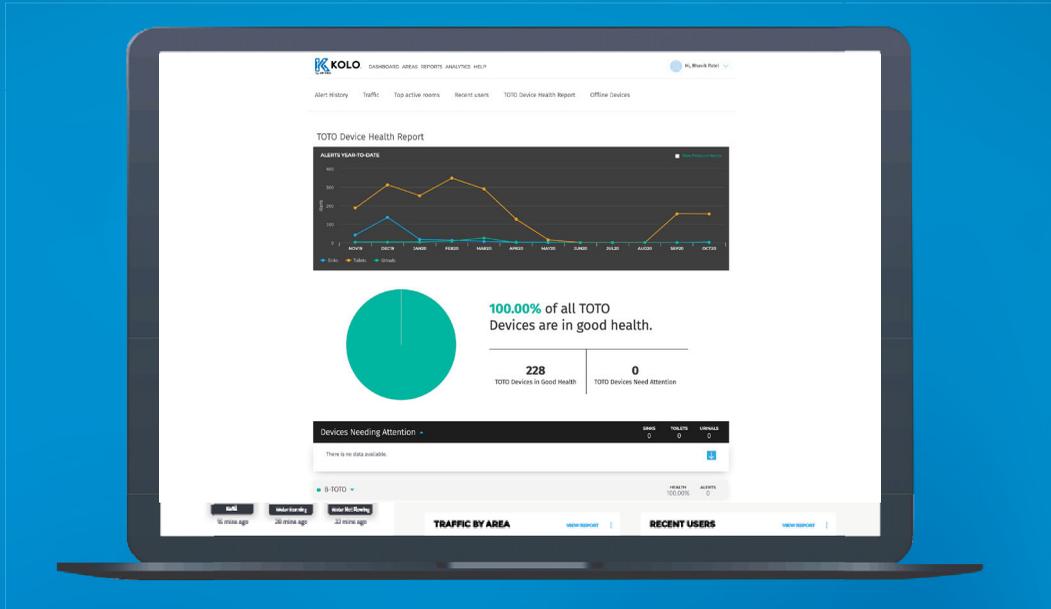
SYSTEM HEALTH

No matter if you are in a different terminal or at home, you can leverage the connected dashboard to check your system's health, what fixtures need attention, and direct your team to reduce down time.

Facilities managers can now leverage data collected from our TOTO fixtures and our Hand Washing Score* -- helping you decide where to influence new hand washing behaviors to keep your staff and customers safe.

Have the ability to create a Customized Hand Washing Score Report

ANALYTICS

Get powerful data and analytics at your fingertips. TOTO's powerful fixtures, combined with IoT driven data empowers you to act on real-time analytics to help improve maintenance and hygiene -- saving time and increasing customer satisfaction.

Finally, with TOTO's IoT Smart Restroom, you will fully understand the use of space for future design and plumbing infrastructure improvements.
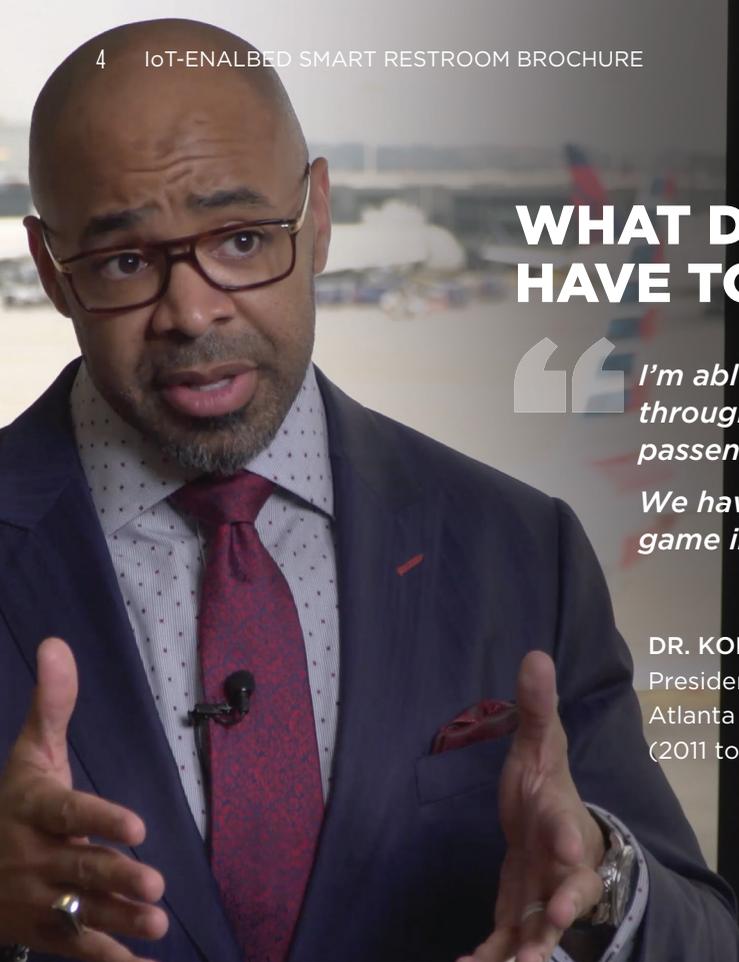
WHAT DO MANAGERS HAVE TO SAY?

"

I'm able to address operational issues throughout IoT, and I'm able to address passenger experience through IoT.

We have an opportunity to change the game in the restrooms.

"

DR. KOFI SMITH
President & CEO
Atlanta Airlines Terminal Company
(2011 to 2020)

ENHANCE FACILITIES MANAGER EXPERIENCE

Receive real-time notification of restroom issues directly from the KOLO™ Clean App that help staff. The results? Save maintanence time and money while ensuring maximum cleanliness.

PREVENTATIVE MAINTENANCE

Quality improvement of maintenance
Accessible through dashboard
Report of actual usage
Report of load information

INSTANTLY DETECT FAILURES

Promptly identify and address outages
Improved user satisfaction

WHAT DO CUSTODIANS HAVE TO SAY?

I'm receiving alerts when a fixture needs maintenance instead of manually checking every product or waiting for a compliant.

This helps prevent outages which affect customer satisfaction.

STREAMLINE CUSTODIAN AND STAFF EXPERIENCE

Leverage data and reports to better manage your restrooms to insure safety and smooth facility operation with the KOLO™ Central Dashboard:

OPTIMIZE YOUR CLEANING CYCLE

Volume based cleaning
Work force management
Air care management

IMPROVE HYGIENE

Alert staff to check the stall
Required assistance

ADVANCED USAGE ANALYTICS

Usage heat-map
Labor and space optimization
Future Improvements

ECOPOWER FLUSH VALVES

This self-powered hydroelectric flush value system generates its own power through turning an internal turbine during every flush. With eco power flush valves, you can rest assured your plumbing fixtures will work -- even during a power outage.

SOLENOID VALVE

INSTANT RESPONSE SENSOR

MANUAL FLUSH BUTTON

360˚ DEBRIS SCREEN PISTON

HYDROELECTRIC TURBINE
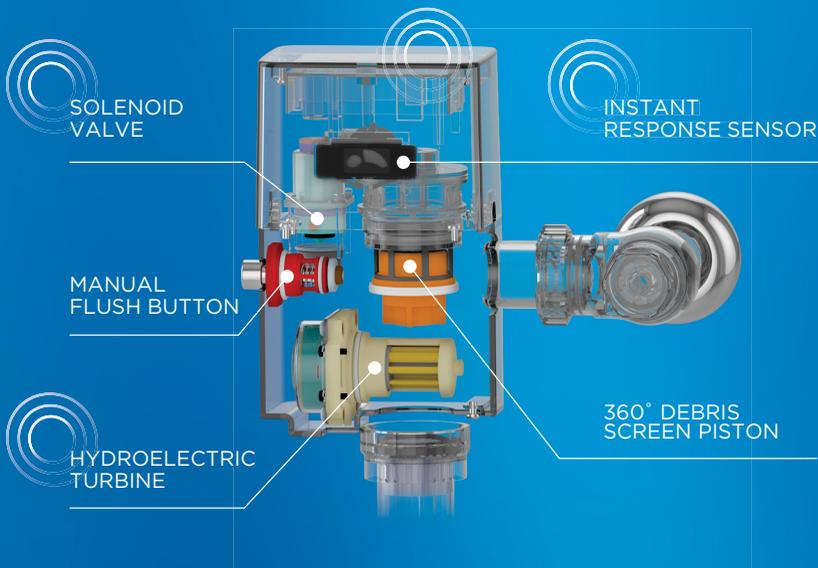
AUTO-FLUSH TOILETS AND URINALS

ECOPOWER EXPOSED

TOILET FLUSH VALVE
TET1UAi2 - 1.0 GPF
TET1LAi2 - 1.28 GPF
TET1GAi2 - 1.6 GPF

URINAL FLUSH VALVE
TEU1UAi2 - 0.125 GPF
TEU1LAi2 - 0.5 GPF
TEU1GAi2 - 1.0 GPF

CAL Green

ECOPOWER CONCEALED

TOILET FLUSH VALVE
TET2UAi2 - 1.0 GPF
TET2LAi2 - 1.28 GPF
TET2GAi2 - 1.6 GPF

URINAL FLUSH VALVE
TEU2UAi2 - 0.125 GPF
TEU2LAi2 - 0.5 GPF

CAL Green

ECOPOWER CONCEALED

TOILET FLUSH VALVE
TET3UAi2 - 1.0 GPF
TET3LAi2 - 1.28 GPF
TET3GAi2 - 1.6 GPF

URINAL FLUSH VALVE
TEU3UAi2 - 0.125 GPF
TEU3LAi2 - 0.5 GPF

CAL Green

- No daily usage minimum required
- Self-adjusting smart-sensor technology does not require manual calibration, for fast, easy installation
- Retrofitting to convert manual flush valve to smart-sensor flush valve
- Available in exposed and concealed valve styles

SCAN CODE TO VIEW ECOPOWER FLUSH VALVES

ECOPOWER FAUCETS

ECOPOWER smart-sensor faucets harness the energy of running water to power themselves, saving water and energy. These hands-free faucets replenish their charge with every use.

INSTANT RESPONSE
SENSOR

ELECTRICAL CURRENT
FOR SENSOR

POWER GENERATING
TURBINE
Powered by water, the turbine creates an electrical current that is transmitted through the system to the sensor.

SOLENOID
VALVE

TOUCHLESS

INSTANT RESPONSE
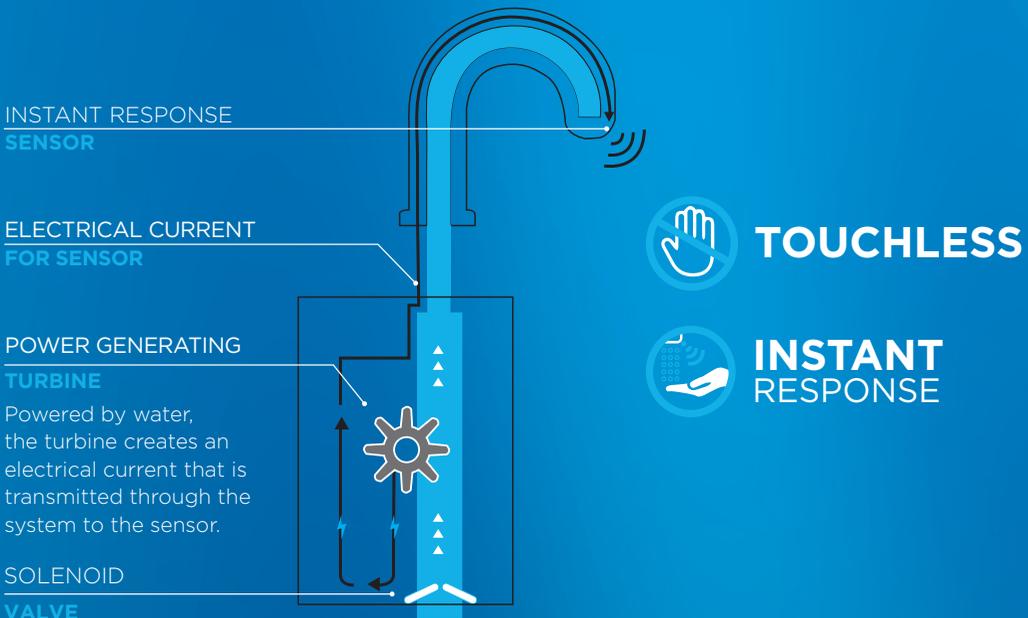
TOUCHLESS FAUCETS
ARE SAFE FAUCETS

- No minimum daily usage required
- Reduced electricity
- Lower maintenance costs
- Better ecology
- Hands-free, automatic-shut-off

**SCAN CODE
TO VIEW
ECOPOWER FAUCETS**

AXIOM®
ECOPOWER FAUCET
TEL143I2-D60E (0.35 GPM/60 SEC)
TEL143i2-D20E (0.35 GPM/0.11 GPC)
TEL145I2-D60E (0.5 GPM/60 SEC)
TEL145i2-D10E (0.5 GPM/0.09 GPC)
TEL145i2-C20E (0.5 GPM/0.19 GPC)
TEL141I2-D60E (1.0 GPM/60 SEC)
TEL141i2-D10E (1.0 GPM/0.18 GPC)

GOOSENECK
ECOPOWER FAUCET
TEL153I2-D60E (0.35 GPM/60 SEC)
TEL153i2-D20E (0.35 GPM/0.11 GPC)
TEL155I2-D60E (0.5 GPM/60 SEC)
TEL155i2-D10E (0.5 GPM/0.09 GPC)
TEL155i2-C20E (0.5 GPM/0.19 GPC)
TEL151I2-D60E (1.0 GPM/60 SEC)
TEL151i2-D10E (1.0 GPM/0.18 GPC)

GOOSENECK WALL-MOUNT
ECOPOWER FAUCET
TEL163I2-D60E (0.35 GPM/60 SEC)
TEL163i2-D20E (0.35 GPM/0.11 GPC)
TEL165I2-D60E (0.5 GPM/60 SEC)
TEL165i2-D10E (0.5 GPM/0.09 GPC)
TEL165i2-C20E (0.5 GPM/0.19 GPC)
TEL161I2-D60E (1.0 GPM/60 SEC)
TEL161i2-D10E (1.0 GPM/0.18 GPC)

HELIX®
ECOPOWER FAUCET
TEL113I2-D60E (0.35 GPM/60 SEC)
TEL113i2-D20E (0.35 GPM/0.11 GPC)
TEL115I2-D60E (0.5 GPM/60 SEC)
TEL115i2-D10E (0.5 GPM/0.09 GPC)
TEL115i2-C20E (0.5 GPM/0.19 GPC)
TEL111I2-D60E (1.0 GPM/60 SEC)
TEL111i2-D10E (1.0 GPM/0.18 GPC)

HELIX M
ECOPOWER FAUCET
TEL123I2-D60E (0.35 GPM/60 SEC)
TEL123i2-D20E (0.35 GPM/0.11 GPC)
TEL125I2-D60E (0.5 GPM/60 SEC)
TEL125i2-D10E (0.5 GPM/0.09 GPC)
TEL125i2-C20E (0.5 GPM/0.19 GPC)
TEL121I2-D60E (1.0 GPM/60 SEC)
TEL121i2-D10E (1.0 GPM/0.18 GPC)

HELIX WALL-MOUNT
ECOPOWER FAUCET
TEL133I2-D60E (0.35 GPM/60 SEC)
TEL133i2-D20E (0.35 GPM/0.11 GPC)
TEL135I2-D60E (0.5 GPM/60 SEC)
TEL135i2-D10E (0.5 GPM/0.09 GPC)
TEL135i2-C20E (0.5 GPM/0.19 GPC)
TEL131I2-D60E (1.0 GPM/60 SEC)
TEL131i2-D10E (1.0 GPM/0.18 GPC)

LIBELLA®
ECOPOWER FAUCET
TEL1A3I2-D60E (0.35 GPM/60 SEC)
TEL1A3i2-D20E (0.35 GPM/0.11 GPC)
TEL1A5I2-D60E (0.5 GPM/60 SEC)
TEL1A5i2-D10E (0.5 GPM/0.09 GPC)
TEL1A5i2-C20E (0.5 GPM/0.19 GPC)
TEL1A1I2-D60E (1.0 GPM/60 SEC)
TEL1A1i2-D10E (1.0 GPM/0.18 GPC)

CAL Green

LIBELLA M
ECOPOWER FAUCET
TEL1B3I2-D60E (0.35 GPM/60 SEC)
TEL1B3i2-D20E (0.35 GPM/0.11 GPC)
 TEL1B5I2-D60E (0.5 GPM/60 SEC)
TEL1B5i2-D10E (0.5 GPM/0.09 GPC)
TEL1B5i2-C20E (0.5 GPM/0.19 GPC)
TEL1B1I2-D60E (1.0 GPM/60 SEC)
TEL1B1i2-D10E (1.0 GPM/0.18 GPC)

CAL Green

LIBELLA WALL-MOUNT
ECOPOWER FAUCET
TEL1C3I2-D60E (0.35 GPM/60 SEC)
TEL1C3i2-D20E(0.35 GPM/0.11 GPC)
TEL1C5I2-D60E (0.5 GPM/60 SEC)
TEL1C5i2-D10E (0.5 GPM/0.09 GPC)
TEL1C5i2-C20E (0.5 GPM/0.19 GPC)
TEL1C1I2-D60E (1.0 GPM/60 SEC)
TEL1C1i2-D10E (1.0 GPM/0.18 GPC)

CAL Green

LIBELLA WALL-MOUNT M
ECOPOWER FAUCET
TEL1D3I2-D60E (0.35 GPM/60 SEC)
TEL1D3i2-D20E(0.35 GPM/0.11 GPC)
TEL1D5I2-D60E (0.5 GPM/60 SEC)
TEL1D5i2-D10E (0.5 GPM/0.09 GPC)
TEL1D5i2-C20E (0.5 GPM/0.19 GPC)
TEL1D1I2-D60E (1.0 GPM/60 SEC)
TEL1D1i2-D10E (1.0 GPM/0.18 GPC)

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STANDARD
ECOPOWER FAUCET
TEL103I2-D60E (0.35 GPM/60 SEC)
TEL103i2-D20E (0.35 GPM/0.11 GPC)
TEL105I2-D60E (0.5 GPM/60 SEC)
TEL105i2-D10E (0.5 GPM/0.09 GPC)
TEL105i2-C20E (0.5 GPM/0.19 GPC)
TEL101I2-D60E (1.0 GPM/60 SEC)
TEL101i2-D10E (1.0 GPM/0.18 GPC)

CAL Green

AVAILABLE ACCESSORIES
CENTER COVER PLATE
THP3158#CP (4")
THP3159#CP (8")

SOAP DISPENSERS

TOTO soap dispensers offer touchless operation with foaming soap for a hygienic handwashing experience.

HANDS-FREE SOAP DISPENSERS

SENSOR-OPERATED
SOAP DISPENSER
TES201AAi2 *(1 spout)*
TES202AAi2 *(2 spouts)*
TES203AAi2 *(3 spouts)*

SENSOR-OPERATED
SOAP DISPENSER
WITH SUBTANK
TES204AAi2 *(2 spouts)*
TES205AAi2 *(3 spouts)*

- TOTO's IoT Soap Dispenser alerts your team when the dispenser needs to be refilled or if the controller is leaking
- Micro-sensor under the spout ensures accurate hand detection
- Auto-purge cycle prevents soap from clogging the spout

SCAN CODE
TO VIEW
SOAP DISPENSERS

Available 2021

SCAN CODE NOW
FOR IoT-ENABLED SMART RESTROOM BROCHURE

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ASK YOUR TOTO REPRESENTATIVE
HOW OUR TOUCHLESS PRODUCTS CAN BE IMPLEMENTED INTO
SMART TECHNOLOGY SYSTEMS

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