

# Washroom design and water management for Covid safety and cost reduction

# FAQs

- Is this session being recorded? Yes, we will send a link to watch and share after the session.
- Can I get a copy of the slides? Yes, we will send a link to download them after the session.
- How can I ask questions? All lines are muted so please use the Q&A function, if we run out of time we will follow up with you separately.

# Agenda

- Introductions
- About Ecoprod and The Water Retail Company
- The role of washroom design in ensuring user safety
- Key considerations when designing safer washrooms
- Advice about selecting key washroom considerations
- How effective washroom design not only improves hygiene but cuts water use and keeps costs low
- Questions

# Introductions

**Rachel Clinton**



**Marcus Rose**



**Jacob Tompkins**



# About Ecoprod



# About The Water Retail Company

- We offer highly competitive pricing for water and sewerage services for large and multi-site customers
- Water efficiency is at the heart of our business
- We work with clients to develop a strategic efficiency plan that uses technology and innovation to drive down bills through reduced water usage, reduced effluent discharge and reduced surface water drainage

# The role of washroom design in ensuring the safety of your staff and visitors

- Prior to the pandemic infection control was not a priority in building design
- Now building managers recognise the importance of building design in helping ensure safety by:
  - Ensuring surfaces are clean and virus-free
  - Enabling people to maintain a physical distance from each other
  - Encouraging good personal hygiene (in particular regular and thorough handwashing)
  - Limiting opportunities for the virus to spread in droplets or aerosols through the air



# Key considerations when designing safer washrooms in a post-Covid era

# Form versus function

- Consider what the washroom is being used for and whether the priority is form or function
- Know what your washrooms are going to be used for so they can be designed for that purpose
- In 2019 we supplied water saving products into the new Spurs stadium
  - For washrooms in corporate areas form was the most important thing
  - For washrooms in the general areas function mattered much more
- Form and function aren't mutually exclusive - you can achieve a highend finish on a budget

# Managing the flow of users around the washroom

- For high volume use it's better to have separate entrances and exits situated as far apart as possible
- External signage is critical so people understand that the washroom has a one way flow
- Use staggered partitions rather than doors

# The importance of getting the layout right

- Consider the placement of WCs, urinals, sinks and showers
- Make sure you don't have more than one function taking place in one area
- Ensure people can move freely around without bumping into each other or needing to double back
- For example, Edinburgh Airport had problems caused by people washing and drying hands in the same area

# Enabling social distancing through effective washroom design

- Ensure elements such as wall mounted taps and urinals are correctly spaced apart
- Make sure people don't get trapped in corners
- Use urinal covers to block off every other urinal if required
- Systems are available to assist with the control of the number of personnel within the washroom if this is a requirement

# Signage

- People need clear instructions regarding what to do and how to do it, both inside and outside the washroom
- Let people know what steps you're taking to keep them safe
- Promote efficient use of water as well as explaining how to use the facilities safely
- Floor markings can be used to ensure one way systems are clear

# Advice about selecting key washroom components

# Hygienic wall and floor finishes

- Hygienic wall cladding and floor finishes last longer and are easier to clean
- Avoid tiles – they are much harder to clean, particular the grout
- Solid grade laminate limits the chances of water ingress
- Use anti-slip floor coverings that can be pressure washed and deep cleaned as required
- Install a floor drain to enable the washroom to be easily hosed down
- Green Drain floor insert stops sewer gases and insects / bugs entering the building



# Showers

- Conti+ showers are designed to maximise hygiene and eliminate any opportunity for legionella or other bacteria in your shower
- The shower panel is 100% anti bacterial
- Programmable automatic hygiene flushes
- ABS anti bacterial shower panel cover
- Stainless steel finish on all showers
- Easy installation with self commissioning
- Piezo on/off control with automated off function
- Water saving
- Energy saving due to unique solenoid technology
- Front of wall easy maintenance

# Wall hung WCs

- Enable much easier access for thorough floor cleaning
- All the pipework is tucked away so fewer exposed surfaces on which germs can develop
- Gives a more spacious feel to your cubicles
- Sensor operated flush so the user isn't required to touch any element of the facilities

# Sensor taps

- Completely removes the need for users to touch the tap
- Models such as miscea also offer hands-free dispensing of soap and anti bacterial wash
- Conti+ sensor taps can detect the environment in which they are operating to avoid splashing water outside the sink
- Sensor taps are also much more efficient in terms of water use

# Sensor taps

- Contact free hand washing
- Simple installation and self commissioning in 10 seconds
- Automatic stop
- Water saving with low flow rates from 1.9 litres per minute
- Energy saving with green options
- Flexible parameters to aid easy maintenance

# Ensuring an effective cleaning and maintenance schedule

- Keep a dedicated schedule of planning maintenance coupled with accurate reporting
- Do this as part of a wider water strategy for your whole site so action on water quality can be coordinated
- Consider installing an intelligent water management system such as Conti+ CNX plus an automated leak detection like Aqualytics to detect leaks before problems arise
- Install low maintenance equipment in your washrooms e.g. self-cleaning urinals

# Using the right products for cleaning

- We recommend MB ActiveCleaner
- Micro-bacterial spores are activated when they come into anything organic
- Actively destroy organic matter than can cause smells, rather than simply masking it
- Forms a permanent protective layer on the surface being cleaned

# Conti+ oXan

- A revolutionary new disinfectant that represents an ecologically and economically valuable alternative to conventional disinfection methods
- For the preventive disinfection of hands, tools, components, appliances, storage and work surfaces.
- For use in the construction of new drinking water installations and in the manufacture of sanitary fittings.
- For permanent cleaning and disinfection of hands, tools, components, appliances, work and storage surfaces.
- For use in the maintenance of drinking water installations, for cleaning surfaces and disinfecting hands.
- For the disinfection of hands, tools, components, appliances, work and storage surfaces before and after use in areas with microbiological contamination

# Cutting water use and costs with effective washroom design



# Water saving devices

- Waterless urinals
- Sensor and low flow taps
- Low flow showers
- Aqualytics smart leak detection technology
- Conti+ CNX water management system

# Next Steps

- Talk to us about your washroom set up
- Talk to us about your water use and supplier
- Check our [water safety and building reopening materials](#) in preparation for another lockdown

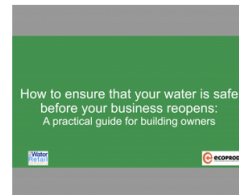
Water safety white paper



Water safety checklist



Water safety webinar slides



Water management white paper



- Check our [water saving resources](#)

# Questions?

# Thank you very much

0844 800 7890

[enquiries@ecoprod.co.uk](mailto:enquiries@ecoprod.co.uk)

[www.ecoprod.co.uk](http://www.ecoprod.co.uk)