Intelligent Plumbing
Evolution of Caroma Smart Command
GWA Research Commitment
Water Conservation & Sustainability 1984

VICEROY - FIRST TWO BUTTON DUAL FLUSH CERAMIC CISTERN
STATE OF THE ART FOR THE TIME - CAROMA DNA
GWA Research Commitment
Water Conservation & Sustainability 1984

11L - 55 L/p/d
11L - 5.5 L - 33L L/p/d
6/3L - 18 L/p/d
4.5/3L - 16.5 L/p/d

70% SAVING
GWA Research Commitment
Water Conservation & Sustainability 1984

- 1984: 11L - 55 l/p/d
- 1993: 11L - 5.5 L - 33L l/p/d
- 2004: 6/3L - 18 l/p/d
- 2008: 4.5/3L - 16.5 l/p/d
- Future: 4.5/3L - 16.5 l/p/d

SAVING 70%
GWA Research Commitment
Water Conservation & Sustainability

Amended to AS/NZS 3500

AS 3500 Revision

Learnings

Research

Learnings

Research

Research

Research
GWA Research Commitment
Concept Evolution – Investigation of a building plumbing issue in Melbourne
Caroma Smart Command
Concept Evolution – Smart Urinal
Caroma Smart Command
Concept Evolution – Smart Urinal

Number of activations
Urinal parameters
Caroma Smart Command
Intelligent Bathroom Eco System

Eureka moment for us  |  Internet of things (IOT)
Caroma Smart Command
Sustainability Building Water Savings

25% reduction in building water usage.*

Water leaks account for around 15% of a building’s water use.2.

Caroma Smart Command sustainability benefits are recognised in major sustainability ratings such as Green Star, NABERS water and WELL.

*Norman Disney & Young
Caroma Smart Command
Wellbeing of Building Tenants

MAINTENANCE OF WELLBEING
TENANT CLEANING TASK ASSIGNED TO CLEANER

Non Touch fixtures

Intelligent Bathroom Management System

Bluetooth Adaptor
Caroma Smart Command
Geo Location of Building Services
Identification of the position of important staff within the building.
Caroma Smart Command
Maintenance & Commissioning
Insights - Bathroom usage behaviour
Design importance of the entry door

Monthly consumption per toilet

Monthly consumption per urinal

Monthly consumption per tap
Insights - Bathroom usage behaviour

Design importance of the entry door

Monthly consumption per toilet

Monthly consumption per urinal

Monthly consumption per tap
Insights - Bathroom usage behaviour

Design importance of the entry door

Monthly consumption per toilet

Monthly consumption per urinal

Monthly consumption per tap
Caroma Smart Command
Caroma Smart Command installed in the new PICAC facility at Narre Warren, Victoria.

Developing training programs for plumbing apprentices and professionals
Caroma Smart Command will change the way we use and design commercial bathrooms forever.
THANK YOU