

# Award winning cleaning technology

**G**oscor Cleaning Equipment's new award-winning Tennant ec-H2O™ technology, which converts plain tap water into an effective and efficient cleaning agent, is being heralded as a 'miracle cleaner', given the combination of its extraordinary effectiveness as a cleaning agent and its significant environmental friendliness.

"Because no chemicals are involved in its manufacture, users are reducing the carbon footprint normally associated with chemical usage," says Alex Theodoridis, Goscor Cleaning Equipment's national sales manager.

"There is no manufacturing process, no packaging and no transport involved in this cleaning process and, in addition, water usage is cut by as much as 70%. Anyone who is conscious of the environment and has adopted a 'green' approach, can do no better than change to

ec-H2O™ technology," he says.

There are no chemicals in this state-of-the-art product. All the technology is self-contained in the application equipment, whether it's a hand-held applicator or a ride-on M30 Tennant sweeper/scrubber designed to tackle the biggest jobs. "Whether it's a relatively small domestic requirement or a premier shopping destination such as Eastgate Shopping Centre in Johannesburg that needs cleaning, there's an ec-H2O™ solution," says Theodoridis

"Everyone's talking about it," he says, "Wherever we go there's a lot of interest in the product including from contract cleaners who are not only impressed with its effectiveness but also its ecological benefits."

He adds that where chemical cleaners are used, there is often a tendency to use more chemical than necessary. "This can result in excess chemicals being left as



a sticky deposit on floors which, in turn, actually attract more dust and dirt."

Theodoridis says that, in industrial applications, ec-H2O™ is best used as a green maintenance solution to maintain chemically cleaned areas on a sustainable basis.

Originated in the USA, ec-H2O™, a Tennant innovation, boasts a number of international awards including being chosen as one of 2008's most technologically significant innovations by R&D Magazine and winning the 2008 Australian Business Award's 'Best Eco-Friendly Product'.

ec-H2O™ is an ion-exchange technology based on the electrolysis of water, which has been around for over 100 years. Plain tap water passed through an electrical cell that applies a small electrical charge is then passed through an ion-exchange membrane where it is separated into an oxygenated mixture of positively and negatively charged nano bubbles. When the ionised water is brought into contact with a grubby surface, it loosens the dirt which can then be wiped away.

Goscor first tested water from various local locations to determine its quality and mineral content, which proved satisfactory.