

2015 Global Cleantech Innovation Programme for SMEs in South Africa

Runner-up Profile - Carbotect



Robin Kirkpatrick

0824561813

robkirk@mweb.co.za

Kirkonsult
(Pty) Ltd



Project	Cleaning Validation and Optimisation of Water Usage
Company Address	6 Tate Crescent, Lonehill, Johannesburg, 2191
Website	www.carbotect.com/
Formation Date	February 1999
Technology Category	Water Efficiency
Company Summary	A hygiene and process optimisation company focussing on the food, beverage and water treatment industries. The company aims to confront problems relating to the incapacity to verify efficacy of cleaning procedures in production and processing equipment in these sectors.
Technology Abstract	Carbotect is a colour based diagnostic aid; reliable and cost effective tool to monitor and verify quality and safety of consumer products whilst complimenting strategies to conserve water and energy. The diagnostic tool detects ultra-low levels of organic soils in water samples in processing equipment, ideally suitable for both large and small scale production and processing facilities in full spectrum of food and beverage opportunities.
Technology Development	Current Stage: Commercial pilot - validation of the performance efficacy of the product under production conditions. Global approval for the use of the product for hygiene management has been endorsed by a multinational brewing group.
Technology Development Needs	Refinement in terms of bulk manufacture and packaging by competent and independent laboratory and manufacturing and packaging facility. This will require a minimum of further 6 months efforts to resolve. The finished Carbotect product will need to undergo definitive and independent performance efficacy evaluation through an accredited and independent institution before universal acceptance in the market.
Intellectual Property	PCT Phase - WO2015/036893 Pending