

CAPABILITY CONTOUR

		System Life Cycle								
		Conceptualise	Define	Develop	Design	Construct	Commission	Operate	Maintain	Utilise
System Hierarchy	Ecological system				Environmental Impact Assessment (EIA)		Aquifer and catchment management			
	Socio-economic system		Market research	Value-cha	in analysis	Risk ass	essment	Economic	modelling	
					e license app Green drop ce		Techr		w and admir	
	User system				Information and asset management systems for water and waste water infrastructure operation and maintenance					tenance
		Geogra		phical Information Systems (GIS)		Breakdown call-centre service				
	Processes	Artificial ground- water recharge		Drinking-water purification, Revers (RO), Trickling filters, Biological removal activated sludge, Cons wetlands and Pond system			nutrient- Water and nutrient recovery and re-use			
		Urban effluent and storm water treatment			Pump stations waste		waste trea	ngth organic latment eg. c digestion		om biogas
	Products			rater wells reholes	Solid-liq- uid sep- aration units	Elevated water tanks		e plants, for drinking- ication and wastewater treatment		
			Mathema		ng of activated sludge and biofilm or wastewater treatment		Water sampling, quality monitoring and interpretation of results			
	Sub-systems	Source control approaches: separate treatment of greywater, black water and urine			Pump stations: boreholes, drinking water, sewerage, process applications			Routine chemical analysis ISO 17025:2005		
		Bio- prospecting	Specialist environmental investigations		Foundations and water-retaining structures		Electrical switch gear			
	Components		Computational Fluid Dynamics (CFD) applied to unit processes			Mechanical equipment selection and specification				
	Materials				Soil, co	oncrete, stee	el, pipe			

GAUTENG - PRETORIA

PHYSICAL ADDRESS

Suite 1, Groenkloof Forum Office Park 57 George Storrar Drive, Groenkloof POSTAL ADDRESS

PO Box 323, Groenkloof, 0027

Tel: +27 12 452 0444 Fax: +27 12 452 0583

WESTERN CAPE - CAPE TOWN

PHYSICAL ADDRESS

Suite 101, Stonefountain Terrace, 95 Klipfontein Road, Rondebosch POSTAL ADDRESS

PO Box 82, Crawford, 7779 Tel: +27 21 685 0789 Fax: +27 86 655 2690