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# **Acumen Solutions**







# **Acumen Engineering Solutions**

# Design and installation of engineered water solutions

Acumen Engineering is committed to meet Customer requirements by supplying Innovative Engineered water Solutions, with the aim of Adding Value to the Total Operation.

We specialise in Industrial, Process, Mechanical, Electrical, Instrumentation, Automation, Civil and Draughting Design as well as Contracts & Project Management, Troubleshooting and Consulting.

We offer engineered water Solutions to the following Industries: Water, Waste Water Clarification, Industrial Sector, Mining, Automotive, Refinery Process, Agricultural, Food & Beverage, and Domestic Sector.

We have extensive experience in the following Technology fields: Clarification, Particulate Filtration, Nominal & Absolute Filtration, Bio-Filtration, Micro-Filtration, Ultra-Filtration, Nano-Filtration, Reverse Osmoses, De-Salination, Disinfection and water conditioning.

### **Product offering**

Clarifiers | DM Filters | GAC Filters | Particle Filters |
Disinfection systems | Membrane Systems | Conditioning
Systems | Electro Chemical systems

## What we do differently

Acumen Engineering add value based on the following criteria:

**Retrofitted Designs:** As a client needs changes in term of plant capacity and technology, AE can do a needs analysis to determine the best possible solution for the client. Current plant equipment can be incorporated as far as possible and new technology installed as required.

Turn-Key Solutions: AE has a holistic approach in all our services. We strive to have a long turn relationship with clients, from the supply of chemicals, maintaining equipment, installing of new equipment to the point where the operation of the plant can be managed for the client. This ensures minimum down time and constant production to the client.

Troubleshooting and Consultation: When operating systems do not perform up to the client needs and expectations, AE will use our team of experts to solve the problem. This can involve changing the order of unit processes to ensure proper, fluent operation. A small change in the operating plant can save time and money.



# **Acumen Hygiene Solutions**

#### **About**

Acumen Hygiene is a Group Solution Consulting and Chemical Partner Manufacturing Company. Attention to detail and dedication to product and service excellence form an essential part of the Acumen Group's mission.

Acumen Hygiene is a market leader of chemicals, environmental and water solutions, accessories and associated services from Hospitals to Agricultural industry and has a national coverage throughout Southern Africa, Sub-Saharan Africa and has appointed distributors in all Strategic places.

Acumen Hygiene supplies hygiene solutions primarily to the Food Processing, Retail, Animal Health, Human Health, Mining, Hospitality, and Catering Industries.

These solutions include products, equipment, in-field technical support and training.

### **Philosophy**

Our philosophy is to work in partnership with our clients, to provide a total service of needs analysis, product formulation and testing. Technical support that adds up to an efficient and cost-effective hygiene solution that works for you.



#### **Vision**

By the end of 2020, Acumen Hygiene will be the hygiene solution company of choice in South Africa. At that point, it will be the company of preference for HYGIENE in all sectors that offers a service culture that is unique in South Africa, is correctly resourced, and that develops a harmonious and pleasant customer experience for all.

#### **Mission Statement**

To create sustainable value by focusing on the provision of world class consultancy, training, chemical supply and installation of ACUMEN HYGIENE products. To satisfy customer hygiene needs at affordable cost, while embracing sound Corporate Governance that will assist the company to build and maintain a comprehensive culture.

#### **Sectors**

Retail | Food Service | Catering | Food Processing | Mining & Industrial | Agri - Poultry | Hospitality | Retail | Hospitals





# **Acumen Potable & Disinfection Solutions**

#### **About**

In this day and age, we are faced with an ever-decreasing quality of our raw water; the worsening quality and the contamination of our precious resources puts a lot of pressure on potable water production.

Water Treatment plants (WTP's) face an array of challenges, and maintaining water compliance standards have never been so demanding. In the Acumen Potable & Disinfection division, we can assist WTP's by applying the right product at the right price while ensuring quality water production.

#### **Services**

We provide our clients with peace of mind. We do not merely supply products but prefer visiting sites and establishing the water quality by doing a disinfection demand test/jar test and testing the water. Our aim within the Acumen Potable & Disinfection division is to first understand the requirements of our clients in-depth before prescribing the solution/product.

Our product offering includes:

#### **Potable Water Treatment**

Water Treatment Chemicals

- Coagulants
- Flocculants
- pH Corrections
- Speciality Chemicals
- Formulations
- NSF Certifications

#### **Disinfection**

Juno - Chlorine Dioxide Generators

- Juno Small (0 100 g/hr)
- Juno Midi (100 500g/hr)
- Juno Large (500 5000 g/hr)
- Juno WTP (5 20 kg/hr)

Juno - Fumigation

Juno - Ready2Use

Component A & B

R2U - Solutions

- Juno Dosing Skids
- RTU Dosing units







# **Acumen Process Equipment Solutions**

#### **About**

Our vision is to become the best supplier of process control solutions in the various industries that is available for our products and skills.

The division has been successful in the sales of process instrumentation to various customers throughout Southern Africa. We import our equipment directly from overseas suppliers, so the prices are very competitive in the marketplace.

### **Nivelco Level Equipment**

- 1. cR
- 2. Level Switches
  - Float Level Switches
  - Conductive Level Switches
  - Magnetic Coupling Level Switches
  - Magnetic Tracking Level Switches
  - Vibrating Fork Level Switches
  - Vibrating Rod Level Switches
  - Rotary Paddle Level Switches
  - RF- Capacitance Level Switch

- 3. Pressure switches and transmitters: Gauge and Absolute transmitters.
- 4. Signal Processing units: Temperature controllers, temperature probes.
- System components; Power supplies; Loop indicators;
   Intrinsically safe power supplies; loop indicators etc.

https://www.nivelco.com/

### **Dosatronic Analytical Equipment**

- 1.1 to 4 Channel transmitters/controllers for: Ph, ORP, Free chlorine, Chlorine dioxide; Conductivity, Hydrogen peroxide, Turbidity; ozone
- Sensors/Probes for: Ph, ORP, Free chlorine, Chlorine dioxide; Conductivity, Hydrogen peroxide, Turbidity; Ozone
- 3. Various flow cells for the analytical sensors.

https://www.dosatronic.de/en

The Acumen Process division do full automation from PLC and SCADA level to all kinds of Field instrumentation and various applications.





## **Enelsa Dosing Pumps**

A full range of dosing pumps for all industries. From low to high flowrates. The customer also have a choice of analogue or digital pumps. The option of Modbus communications can also be ordered.

https://www.enelsa.com/en/category-list/12/dosing-pumps

#### **ARKON Flowmeters**

Specialises in Magnetic flowmeters with various options for the outputs: RS485,4-20Ma, Pulse and Pulse for BATCH control, TCP/IP, Modbus, GPRS/SMS, Bluetooth, WI-FI etc.

Remote and compact units is available for various size meters and the units can also be ordered with various kind of liners for various applications.

A full range of battery powered magnetic flowmeters is available with a battery life of up to 10 years.

The flowmeters can also be ordered with Custody transfer options.

http://arkon.co.uk/en/

# What we do differently

In line with the divisions' vision we strive to give excellent service.

This done by being able to supply a complete solution to the customer-from measurement to control and having process data available at the customers fingertips if he so wishes. Customer satisfaction is our number one priority which implies prompt and complete solutions for the customer.

# **Acumen Waste**Water Treatment

#### **About**

As we all know every clients water differs and their needs, that's why Acumen Effluent offers catered solutions specific to every client's individual needs.

We specialize in the treatment of all wastewater effluent the market offers. These includes, industrial food production, mining sector, meat and poultry processing plants and much more.

We offer great service, technical training and all chemical and equipment needs.

## What we do differently

We offer clients with expert and honest advice.

Free sight evaluations and assessments.

We offer Free operator training if required to all our client.

Water samples are tested in our own fully equip
laboratory this ensures confidentiality to all client
information.

With Acumen effluent we offer our client not just effluent solutions, but as part of Acumen group we can offer a client so much more.

#### **Chemicals**

We offer the following: Chemicals: These includes

- Water Treatment Chemicals
- Coagulants and flocculants.
- Biological solutions.
- DAF units (Dissolved air flotation units)
- Screw Presses and drum Screens
- Flock Makeup Units.
- Dosing pumps.
- pH correction solutions.
- Water Softening Systems.
- R.O Systems.
- Aeration Systems.
- And more

We are importers of a wide range of equipment from all over the world, this will ensure the client gets quality products for affordable prices.



