



HVAC SYSTEMS

- Industrial Air Conditioning
- Commercial Air Conditioning
- Clean Room Technology
- Textile Air Engineering
- Ventilation & Pressurisation
- Turnkey Systems
- After Sales Service and Spares

 **John
thompson**
HVAC Systems

ACTOM

John Thompson: A division of ACTOM (Pty) Ltd

Durban HVAC +27 (0) 31 700-3286 Cape Town HVAC +27 (0) 21 981-011 | infohvac@johnthompson.co.za | www.johnthompson.co.za

John Thompson HVAC Systems

A division of ACTOM Pty Ltd

ACTOM acquired Luwa (South Africa) in 2011, which was established in 1971 and is one of the oldest air-conditioning contractors in South Africa. John Thompson HVAC Systems specialise in industrial ventilation and air-conditioning and are able to offer the design and installation of these systems. We can offer these services separately or as a combined design - supply package. We have two branch offices in South Africa: Pinetown (Kwazulu-Natal) and Brackenfell (Cape Town).

Industrial Air Conditioning

- Air Conditioning
- Humidity Control
- Ventilation
- Pressurisation
- Filtration
- Air Purification
- Heat Recovery
- Evaporative Cooling
- Control Rooms
- MCC Rooms
- Cooling Water Systems

Commercial Air Conditioning

- Air Conditioning
- Ventilation
- Refrigeration

Clean Room Technology

- Pharmaceuticals
- Laminar Flow Units
- Bio Technology
- Health Care

Textile Air Engineering

- Spinning
- Weaving
- Knitting
- Non-woven
- Filament

Food Industry

ACTOM has experience designing and supplying HVAC systems for food, beverage, bakeries and dairies.

We are familiar with the specific requirements needed for the temperature control, humidity control, pressurisation, filtration and ventilation for the various processes in these industries.



Pharmaceutical Industry

Stringent requirements with regard to quality, purity and safety, which are laid down in comprehensive national and international standards and guidelines, are a prominent feature of the modern pharmaceutical industry. ACTOM clean room installations surpass the DOP, Particle Count, Establishment times, Air Flow pattern testing and specialised validation criteria required in this sophisticated and safety conscious industry to meet the requirements for all Grade A, B, C & D certifications. The implementation of Pressure Gradient Systems prevents contamination by foreign matter or active substances handled in the same production facility.



Sugar Industry

ACTOM - HVAC Systems has been involved in several projects in the sugar industry and has supplied the following HVAC equipment to sugar mills and refineries: Conditioning silos, driers, pressurisation systems, filtration systems, ventilation systems and cooling for Control Rooms and MCC Rooms.



Petro-Chemical Industry

ACTOM has extensive experience in designing and supplying HVAC systems for refineries and related industries. We are familiar with the specific requirements in terms of temperature control, humidity control, pressurisation, filtration, purification and standby requirements for Control Rooms, Rack Rooms, Server Rooms, UPS Rooms, LV & HV Switch Rooms and Battery Rooms.



Paper and Pulp Industry

ACTOM designed HVAC systems provide controlled environmental conditions for the various processes in the paper and pulp manufacturing industry. The criteria involve control measures such as:

- Filtered pressurisation air removing airborne chemical and gas contaminants.
- HVAC plant rooms supplying purified and conditioned air into Production Control Rooms, HV and LV Electrical Rooms.
- The air removal and ventilation of high temperature production machines.
- L.E.L. gas detection systems.
- Large industrial refrigeration plant equipment to cool factory plant process water.
- Standby HVAC equipment for critical plant operations.



Power Generation

ACTOM has the experience in the installation of industrial HVAC systems in the Turbine Halls, Control Rooms, MCC Rooms and Switch Rooms of coal fired base load power stations and pump stations. We have extensive experience of working in the Nuclear industry and have carried out several projects for the Koeberg Nuclear power station which uses two Framatome Pressurised Water Reactors.

Aluminium Industry

ACTOM has extensive experience in designing and supplying HVAC systems for the aluminium industry. We can provide HVAC solutions for Control Rooms, LV & HV Switch Rooms, Blower Rooms, Substations for Anode Rodding, Reduction Services, Pot Lining Pit and Maintenance Facilities.

Textile Industry

We design, build and service systems for:

Conditioning

- Humidification
- De-humidification
- Cooling
- Heating

Filtration

- Static filters
- Automatic filters

- Rotary pre-filters
- Waste separators
- Fibre separators
- Laundries

Waste Handling

- Transport
- Recycling
- Compacting

Non Woven

- Female Hygiene Products
- Diapers
- Filter media
- Needle Punched Products
- Bonded Fabrics

Mining

We have supplied ventilation systems for mines. ACTOM's Air Pollution Control Division has installed numerous dust extraction plants for the mining industry.

Cement Industry

We have experience in designing and supplying HVAC systems for control rooms, Switch rooms and MCC rooms complete with pressurisation systems.

Specialised Products for Clean Rooms

We manufacture the following equipment inhouse:

- Fan Filter Units
- Terminal Filter Housings (Filtrasepts)
- Laminar Flow Screens
- Side Withdrawal HEPA Filter Housings
- Pass Boxes
- Custom made Air Handling Units

