



GAST
SINCE 1961

The Gast Group

HISTORY

Since the initial formation of Gast in 1961, Gast has serviced the African and Middle East markets in more than 15 different countries providing technology and quality. Through this, Gast has become a household name. From a small business back in 1961, Gast has flourished and prospered to an International sound company operating in more than 15 different countries. Going from strength to strength, Gast has stood the test of time.



ISO 9001 : 2000 ACCREDITED

COMPANY PROFILE

Gast provides a complete spectrum of services from design and supply to installation in both the civil and construction industries.

The Group's philosophy is based on the principle of single point responsibility.

Having successfully completed more than 9150 projects during the last millenium, Gast boasts accreditation from United Nations and World Bank, giving credit to Gast's dedication to quality and performance on all dynamics.

GAST is committed to customer and client satisfaction incorporating design, manufacture and commissioning of all projects to a definitive specification. Projects undertaken by Gast will comply to statutory requirements for health, safety and environmental conservation. Material and installation will exceed the folowing requirements:



UN United Nations



ASTM American Society for Testing Materials



NSF National Sanitation Foundation



API American Petroleum Institute



SABS South African Bureau of Standards



CSIR Council for Scientific & Industrial Research



GRI Geosynthetic Research Institute



WB World Bank

Civil Engineering

Bulk Water Supply

From Bulk Water supply for potable use as well as for irrigation, Gast has the ability to provide cost efficient solutions. Dams and reservoirs remain the only viable solution for the creation of dependable and manageable water resources. Floating covers can replace conventional concrete and maintain water purity.



Water Purification



In rural areas water needs to be conserved. One method of conservation is the recycling of water. For this, waste water is purified and once again rendered potable by various methods. Each method employed is dictated by economics of scale.



Canals

Canals provide for fast, efficient and cost effective delivery of water where the terrain has gentle gradients. Canals lined with HDPE can perform better than concrete, as they are flexible and easy to install. In addition, installation time is approximately $\frac{1}{3}$ than that of concrete lined canals.

Gast designed and installed canals, can accommodate a velocity of 2m/s.



Sewerage

Basic conditions of life include water as the most primary need. Sewerage provides dignity to life. Gast understands this principle and has the ability and track record to incorporating not only basic designs such as oxidation and settlement ponds but also USBR reactors which are cost efficient and environmentally friendly.

Civil Engineering

Agri Business

Having completed more than 272 feasibility studies, in 15 different countries, for Agricultural products and produce, Gast has an extensive track record and database which can provide accurate and scientific information as to the correct produce or crop for a specific Geological and Climatological region. Gast can also assist in market determination, processing and packaging of the final product, so as to add value to the original product.



Agri business is dependant on manageable and constant water resources. Without these two elements Agri Business cannot exist, development cannot occur, and Socio Economic conditions deteriorate.

Africa is largely dependent on its Agriculture, and as such Gast recognizes not only the importance thereof, but also the potential thereof. Ground and surface engineering is the first step to feasible and profitable Agriculture.

Once the water source has been determined, and secured, Gast is able to assist in the full utilization of the newly created source. This includes major reticulation for irrigation and human consumption. In many cases reservoir sites and consumer take-off points are far removed from each other. Gast co-ordinates both of these and also incorporates assistance with crop determination. Many of these projects also incorporate Public Participation and Rural Development. Gast is committed to scientific research coupled to practical implementation with clear and tangible results at the end.



Civil Engineering

Geosynthetics & Geomembranes

Gast is the premier provider of both products and installation services. No other company has the quality, experience, innovative products or financial stability of Gast. Gast provides complete service and support for any geosynthetic requirement. Detail drawings can be provided as well as extensive technical and estimating support to assist with the design for the most economical and constructible configuration which meets the project requirements.

APPLICATIONS

Aquaculture	Tank Linings
Bulk Oil Storage	Leach Pads
Canal Linings	Mining Services
Environmental	Reservoirs
Hazardous Waste	Tailings dams
Landfill Applications	Tunnel Linings

PRODUCTS

HDPE (Geomembranes)	Geonets
VFPE (Geomembranes)	Geogrids
LLDPE (Geomembranes)	Polylock
FPP (Geomembranes)	Studliner
Geotextiles	Geocomposites
GCL's (Clay Liners)	Vertical Barrier Systems



QA / QC

Gast operates an assurance quality control system based on ISO 9001 principles. This system governs all aspects of the operation, but more specifically the following:

Design & Contract Overview

Quality of Materials

Quality of Workmanship

Traceability

Inspection & Testing

Document Control



Commodity Brokerage



Gast has during the last 40 years concentrated it's activities in Africa, thereby assisting various Governments, Companies and Corporations in sourcing and purchasing many varied items and products. Our database is extensive and continually expanded. In-house developed software allows for accurate sourcing and pricing, which enables our clients to make informed cost-effective decisions.

Through the Gast network you are assured of a sequential and seamless purchasing process.

Our access to world wide databases can provide detailed supply and price profiles within 48 hours.



Mining & Hydrology



Liquids, especially water can manifest in the most unwanted places. Where access is almost impossible, Gast can provide the Technology to control the situation using state of the art technology and equipment. Water in deep mining applications can be controlled and "plugged".

Two major systems are employed: CWR (Colorless Water Repellant) and Liquid Plastic Injection. Both systems are injected under pressures ranging from 1 to 60 BAR.



Turnkey Projects

Gast prides itself in turnkey projects and is willing to acquire and identify needed skills through appointments or partnering through joint ventures with other entities.

Gast has successfully undertaken joint ventures with other mining groups which have acquired prospecting and exploration rights, or are currently engaged in mining. This includes end-to-end projects from production through to marketing.



Piping & Pipelines



From high pressure, large bore steel to non-corrosive HDPE piping. Low-pressure reticulation for incorporation into agriculture, mining and domestic use.



Having completed projects incorporating the use of small and large bore pipes in projects over several hundred kilometers, Gast is able to accurately deliver or remove fluids to or from any particular site over any particular terrain. This designed and delivered with due consideration for environmental regulation and aesthetic acceptance.



Renovations & Refurbishments



C.I.D.B GRADINGS

- 6CE
- 6GB
- 3ME
- 3SN

SOME OF OUR COMPLETED PROJECTS

Civitas Building PTA

Zanza Building PTA

Belfast Magistrate Court

Boksburg SAPS

Dr. George Mukhari Hospital

Makhado Air Force Base



Since the formation of Thusanang Gast in 1992, Thusanang Gast has built a national partnership amongst previously disadvantaged individuals to help realize the vision of sustainable development. Thusanang Gast builds professional expertise through its educational programs and assists in the setting and reaching of goals in order to promote the highest standards of practice.

CHAIRMANS NOTE

In 1984 we embarked on a training and mentorship programme for the previously disadvantaged individuals. This culminated in the establishment of Thusanang Gast.

Today we are proud of the fact that the company is 60% controlled by previously disadvantaged individuals and 40% historically disadvantaged individuals.

This all while maintaining an excellent service record as well as expanding Thusanang Gast's products and service range. Thusanang Gast has lived up to its commitment to deliver on time, and within budget in every instance, as a PDI Company it's a shining example of controlled expansion.

Dr K.C. Skosana



Waterproofing



Gast's world-class waterproofing systems and designs are your source for peace of mind.

Gast, being one of the first manufacturers and installers of waterproofing systems in Africa some 44 years ago, gives you surety and superior quality in all waterproofing aspects.



APPLICATIONS

Retainer walls
Parking decks
Balconies
Walkways
Hotels
Shopping malls
Office blocks
Schools
Mines

TYPES OF PRODUCTS

APP Modified Bitumen
SBS Modified Bitumen
Acrylates
Chlorosulphanated Polyethylenes
Epoxy
Polyurethane



GAST'S 8 STEPS TO ZERO RISK

Gast's proven and leading expertise in all waterproofing systems, sets the pace for quality in the industry. By following the QA/QC procedures clients are ensured of a leak-free structure.

Let us assist you in a cost effective solution for your waterproofing problems.



AREAS OF OPERATIONS



Angola	Mozambique
Botswana	Namibia
Cote D'voire	Russia
Eritrea	South Africa
Ethiopia	Sudan
Ghana	Swaziland
Lesotho	UAE
Madagascar	Zambia
Mali	Zimbabwe



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