

PLASCO LTD

PLASCO LTD

LIFELINES FOR THE NATION

An ISO 9001:2015 Certified Company

PLASCO LTD

Manufacturers of
HDPE and PVC-U pipes



COMPANY
PROFILE

MESSAGE FROM COMPANY CEO



Jürg Flühmann

Plasco Ltd. is committed to deliver sustainable results and solutions to its stakeholders by supplying reliable plastic piping systems within Tanzania and neighboring countries.

We fully recognize the impact and opportunities that the adherence to quality principles affords us in supplying Quality Products and Service to our Customers, while achieving our objectives and results of the Company. Therefore, Plasco Ltd. will ensure that the Quality Management System is communicated, implemented and maintained by all personnel and will continually focus upon the improvement of the effectiveness of the system for the ongoing benefit of the Company and its Customers.

Plasco Ltd. is investing continuously in its people, equipment and quality assurance assuring our customers that world class plastic piping solutions are implemented in their projects for long-lasting, successful and sustainable results. We differentiate ourselves from our competitors in being a true partner for reliable plastic piping systems, caring for our customers well beyond the supply of our products and services.

Being the leading company for plastic piping solutions within East Africa, Plasco Ltd. contributes substantially to the growth of the industrial sector, building a strong basis for implementing the policy and objectives of "Local Content" put in place by East African governments. We strongly believe in the power of developing local people for the benefit of the East African countries for sustainable economic and social growth. We are here today thanks to the confidence and trust our customers have in us. Our objective is to become a company that every customer can be proud of. That is a commitment we solemnly pledge to all of you.

Thank you.

MISSION

Manufacture high quality plastic piping solutions for Water supply, Storage, Sanitation, Gas distribution and Telecom networks using innovative world class technology

VISION

Be the leader for innovative Water Supply, Storage and Sanitation Solutions in Africa

OUR VALUES

Reliability

Our products and services do meet customer requirements for quality and timely implementation of projects to their full satisfaction

Fairness

We strive always for a fair deal, beneficial to all parties involved

Respect

Our business activities are based on mutual trust and respect with all our stakeholders

Innovation

We focus on manufacturing high quality, innovative plastic piping solution for Water supply, Sanitation, Gas Distribution and Telecom network projects.

QUALITY POLICY

The Management of Plasco Limited are committed to the Implementation and Maintenance of a suitable Quality Management System that complies with the requirements of ISO 9001:2015 while ensuring strict compliance to the contractual, legislated and regulatory requirements of interested and affected parties.

We fully recognise the impact and opportunities that the adherence to quality principles affords us in supplying Quality Products and Service to our Customers, while maintaining / improving our Business Plan Objectives and the Economic Results of the Company.

The Management of Plasco Limited will ensure that the Quality Management System is communicated, implemented and maintained by all personnel and will continually focus upon the improvement of the Effectiveness of the system for the ongoing benefit of the Company and its Customers.

Our primary Company Business Objectives include: -

Providing agreed levels of Product Quality and Service to our Customers by appreciating and fully understanding their needs and expectations.

Maintaining the necessary competent and capable resources to comply with Regulatory and Customer's requirements.

The continual assessment and provision of our personnel's training needs in order to benefit all stakeholders.

The expansion of our Customer base, through recognition as being a consistent and reliable provider of Quality Products and Service.

The reduction of our operational costs, through the effective implementation and maintenance of the Quality Management System.

By involving and encouraging our suppliers to continually improve their performances.

The continual identification, assessment and introduction of new innovative, methods, controls and technology to supplement our Processing Operations, Products and Services.



Jürg Flühmann
CEO

WHO WE ARE



Founded in 1992 by four Tanzanian businessmen, Plasco Ltd. officially commenced operations in 1993 from its site on Nyerere Road in the key industrial area of Dar es Salaam, Tanzania.

The first of its products, drinking straws, were produced with a single refurbished extruder, and through steady growth over the course of a decade the company was able to move to a larger site at its current location on Mbozi Road.

In 2007 the company upgraded its production capacity at its factory in Dar es Salaam through the purchase of several state-of-the-art equipment. The equipment included three brand new Italian extrusion lines, new PVC mixing equipment, a new high capacity water chiller, an extensive range of laboratory pressure testing equipment, new borehole casing manufacturing equipment, and a new PVC pipe extruder.

Over the next few years, Plasco continued its expansion through the addition of new equipment to meet the growing demand for quality pipes. By early 2010 a new PVC extruder had been installed and brought into operation, with the objective of further enhancing the production capacity, and enabling Plasco to produce up to 315mm diameter in PVC. Three years later, a new PE extruder was installed to further enhance production capability and to expand Plasco Ltd.'s pipe market, enabling it to produce PE pipes of up to 630mm diameter.

Today, in contrast to that single extruder it started with in 1993, Plasco Ltd.'s current extrusion capability is underpinned by the running of nine extruders (five Polyethylene and four PVC) as well as other modern plastics processing equipment. Plasco Ltd.'s business process includes manufacturing of HDPE & PVC pipes, and trading of related fittings.

In addition to this, Plasco Ltd. also specializes in site welding of HDPE Pipes using highly trained and certified welders and supports a multitude of sectors including Gas, Mining, Water supply, Agriculture, Beverage, Telecoms and Construction.

Plasco Ltd.'s name is synonymous with high quality plastic pipes and fittings, earning it a top spot in plastics manufacturing in Tanzania and East Africa, with a conversion capacity of over 20,000 Tons per annum. Plasco Ltd.'s quality stamp is not only assigned through its extensive experience locally, but also by its adherence to the highest global standards. The company obtained its ISO 9001:2000 Compliance Certification in 2004 and upgraded to ISO 9001:2008 Certification in 2010; this certification was further upgraded to ISO 9001:2015 in 2016; these being universal quality management standards that ensure we meet statutory and regulatory requirements.



Plasco Ltd. produces HDPE pipes to the ISO 4427 and ISO 4437 Standards and PVC pipes to ISO 1452 Standard respectively. The HDPE Gas Pipes manufactured by Plasco are also certified by Kiwa Gastech Laboratories in The Netherlands. Plasco products are also tested and certified by the Tanzania Bureau of Standards (TBS).

Plasco Ltd. has now made a further investment of over 4million US Dollars to introduce WEHOLITE Structured Wall HDPE Pipe Technology to the East African region under license from Uponor Infra **Oy** of Finland. Plasco Ltd. has combined new production techniques with the latest raw materials technology to produce a durable pipe system with superior load-bearing properties, making Weholite the preferred solution for many municipal and industrial applications including storm water management, sewage treatment systems, culverts, marine pipelines, and irrigation water distribution. Weholite pipes are manufactured in accordance with the EN 13476 and ISO 21138 Standard, This investment has resulted in the conversion capacity of Plasco Ltd. to reach 28,000MT per annum. Plasco Ltd. is a member of the Confederation of Tanzania Industries (CTI) and the Tanzania Chamber of Commerce, Industry and Agriculture (TCCIA).

Plasco Ltd.'s commitment to excellence is exhibited across its operations; in all facets of its manufacturing, purchasing, and customer service processes. Plasco's management team constantly works to stay abreast with the latest technology within the industry by attending regular training courses ensuring that they remain informed and qualified in the latest Industrial developments & innovations. Plasco remuneration policy is based on merit, which contributes extensively towards creating a driven, motivated, and highly skilled work-force with excellent prospects for advancement. It is this philosophy that is at the heart of Plasco's operations; it is what keeps Plasco Ltd. in pole position in its sector and industry.

WHAT WE DO

HDPE Solid wall Pipes

Applications of HDPE Pipes

- Water supply & distribution networks
- Agriculture – Irrigation systems
- Mining – Above and below ground installations
- Slurry Lines – To convey suspended solid matter in quarries and mines
- Industrial and Chemical – To transport aggressive fluids or hazardous waste
- Submerged Pipelines
For cable ducting, water and sewerage
- Sewage, Effluent and Waste Water Systems
- Compressed Gas Distribution Networks
- Trenchless Construction – For water supply, sewerage, conduits and gas
- Telecom – Fiber Optic ducts



U-PVC PIPES

Applications of uPVC Pipes

- Water supply : Borehole casings (plain and screened), Distribution networks
- Agriculture – Irrigation systems
- Sewerage systems
- Drainage systems
- Cable ducting
- Down pipes



WEHOLITE PIPES (HDPE structured Wall pipes)

Applications of Weholite Pipes

- Sewerage and drainage systems
- Discharge pipes for waste water treatment plant
- Road / Rail Culverts
- Marine Pipelines
- Manholes
- Retention Tanks
- Valve Chambers
- Mine Drainage
- Special construction for Industrial requirements



FITTINGS

Plasco specializes in the supply of custom-made PE fabricated fittings that are manufactured in accordance to **ISO 4427-Part 3** and **ISO 4437-Part 3** standards. This is achieved through its fully equipped fabrication workshop using specialized tools, equipment and highly skilled and trained employees.



SERVICES

Site Welding Services

Plasco has a team of highly skilled, trained and certified welders capable of welding and installing HDPE pipes up to 630mm diameter. This team and the required equipment and tools are deployed to the clients' site for welding and installing of HDPE pipelines. Plasco is capable of carrying out on-site pressure testing of pipelines to ensure that the welds conform to requirements. The welding parameters of each joint are also provided to clients for their records. This further enables Plasco to become a one-stop shop by providing a complete piping solution to its clients.

Technical Advice

Plasco has a competent team of specialists capable of providing technical advice on optimum and cost effective piping system design and installation for various applications.

Training

Plasco's trainers are experts in their field. Each trainer is qualified with years of experience using fusion equipment, as well as pipe and fittings equipment to ensure we are providing you with the latest installation techniques and technology available in the market.



OUR CUSTOMERS

WATER SUPPLY & SANITATION

- Main supply lines
- Sub-distribution networks
- Sewerage systems
- Drainage systems
- Boreholes

AGRICULTURE

- Irrigation systems

MINING SECTOR

- Waste slurry transport systems
- Process fluid transport systems
- Dewatering systems

HYDRO POWER

- Penstock systems

GAS DISTRIBUTION

- Main supply lines
- Sub-distribution networks

CONSTRUCTION

- Water supply lines
- Fire hydrant systems
- Sewerage systems
- Drainage systems
- Boreholes

TELECOMS

- Fibre optic cable ducting

INDUSTRIAL SECTOR

- Compressed air piping
- Refrigeration piping systems
- Process fluid transport systems
- Fire hydrant systems



MANAGEMENT TEAM



Jörg Flühmann
Chief Executive Officer (CEO)

*Degree in Mechanical Engineering
Certified Board Director - Executive
Management & Adv. Management
Program at Univ. of Pittsburgh and
Harvard Business School*

- CEO and Board Director of Plasco Ltd, Dar es Salaam since January 2014.
- Managing Director and Board Director Tanga Cement Co. Ltd. in Tanzania 2004-2010.
- Extensive international management experience in manufacturing industry.
- Experienced in designing and implementing strategic initiatives to improve operational performance.



Unguu Sulay
Chief Financial Officer (CFO)

*MSc in Accounting & Finance, Mzumbe
University
Master Financial Controller (MFC),
International Academy of Business &
Finance Management
Fellow-Association of Chartered Certified
Accountants (FCCA)*

- CFO of Plasco Ltd. since January 2017.
- Over 8 years experience in various Finance & Administrative functions in the FMCG and Mining Sectors in Tanzania.



Morgan Jones
Technical Projects Specialist

*BA in Business Administration, University
of South Africa
Diploma in Civil Engineering, Harare
Technical College, Zimbabwe
Diploma in Marketing, Chartered Institute
of Marketing, UK*

- Technical Projects Specialist of Plasco Ltd. since May 2014.
- Extensive technical, manufacturing and construction experience in the Water and Mining sectors throughout Africa.



Alimiya Osman
Chief Operating Officer (COO)

*Degree in Electrical & Electronic Engineering,
University of Birmingham, UK
Registered Professional Engineer with
Engineers Registration Board of Tanzania*

- COO of Plasco Ltd. since December 2014; Business Development Manager from March to November 2014.
- Over 20 years of experience in Manufacturing Management, Engineering Project, Management and Electro-mechanical Engineering.
- Previous experience gained in Cement, Woven Plastic Packaging, Tea and now Plastic Pressure Pipes industry.
- Trained in ISO 9001 Quality Management Systems, Cement process optimization, FIDIC Contracts, OH&S in heavy industry and Plastics processing.



Mithun Pillai
*Production Manager
PGDip in Plastic Processing & Testing
Technology, CIPET, India
BSc in Polymer Science, Kerala University,
India*

- Plastic Pipe Production & Process Specialist of Plasco Ltd. since February 2010
- Over 13 years experience in Production & Plant Management functions in the plastic pipe manufacturing sector in Tanzania, South Africa, Kenya & India



Saravanan Babu
*BEng Polymer Technology, Kamaraj University,
Tamilnadu, India
Certified Lead Auditor QMS ISO 9001:2015*

- Plastic Pipe Testing and QMS Specialist of Plasco Ltd since 2011
- Over 14 years quality management and process engineering experience in plastic pipe extrusion and process industries.
- Trained in administration of SAP BusinessOne ERP.

CERTIFICATION

SGS

Certificate TZ16/2046

The management system of

Plasco Limited

Plot No. 112 A and B, Mbozi Road, Chang'ombe,
Dar Es Salaam, United Republic of Tanzania

has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities

Importation, Manufacture, sales of Plastic Pipes and Fittings

Further clarifications regarding the scope of this certificate and the applicability of
ISO 9001:2015 requirements may be obtained by consulting the organisation

This certificate is valid from 29 December 2016 until 29 December 2019 and
remains valid subject to satisfactory surveillance audits.

Re certification audit due before 24 November 2019

Issue 1. Certified since 29 December 2016



Authorised by

A stylized handwritten signature in black ink.

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SGS 0001 2015 0216

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This document is issued by the Company established in Geneva, Switzerland, as the sole authorised signatory for the purpose of certification. Attention is drawn to the limitations of liability, which are set out in the conditions of certification. The authenticity of this document may be verified by visiting the website <http://www.sgs.com/certification> and production of the client directory. Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Declaration

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info@kiwa.nl
www.kiwa.nl

09/02/15



Test report number LC 11295 Project number 141100120
Date of test report 09-02-2015
Issued 09-02-2015

DECLARATION OF CONFORMITY

Kiwa declares that, based on Kiwa test report LC 11295, the products complying with the model as tested by Kiwa and manufactured by

Plasco Ltd.

may, on delivery, be relied upon to comply with:

ISO 4437-2 :2014

"Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes"

Polyethylene pipes made of PE 100

SPECIFICATION

The following dimensions are covered under this declaration of conformity.

Dimension group 3 250mm until 630mm
Tested pipe dimension 355mm - SDR11

MATERIAL

The pipes are produced from the PE 100 compound BorSafe™ HE3492-LS-H by Borealis.

MARKING

The marking must be in compliance with ISO 4437-2.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the products show no visible defects as a result of transport etc.
- the declaration of conformity is valid.

Publication of this declaration is allowed and consists of 1 page.

Bouke Meekma
Kiwa

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**TANZANIA BUREAU OF STANDARDS
SHIRIKA LA VIWANGO TANZANIA**

P. O. Box 9524 DAR ES SALAAM

LICENCE

to use the Mark of the Bureau

No. 2119

1. By Virtue of the power conferred on it by the STANDARDS ACT, 1975* the BUREAU hereby grants to **M/S PLASCO LTD of P.O.BOX 76770, DAR ES SALAAM** (hereinafter called "the licensee") this licence to use the Standard Mark set out in the first column of the first Schedule hereto upon and in respect of the article(s) set out in the second column of the said Schedule which is (are) manufactured in accordance with the related TZ Standard (s) referred to in the third column of the said Schedule as from time to time amended or revised.
2. This licence carries the rights and obligations stipulated in the regulations made under the above mentioned Act. In pursuance of his obligations, the licensee shall pay in due manner and time the scheduled Marking Fee set out in the Second Schedule hereto and maintain to the satisfaction of the Bureau, the Scheme of Inspection and Testing a copy of which is attached hereto.
3. This licence shall be valid from **2018-06-07 to 2019-06-06** and may be renewed as prescribed in the Regulations.

Signed and sealed for and on behalf of the Bureau


Eng. Tumaini Mtitu


Acting Director General

Date: 2018-06-07

Signed by the Licensee



SCHEDULE

Standard Mark	Goods in respect of which the use of the Mark is granted	Tanzania Standard(s) according to which the goods are to be produced
	HIGH DENSITY POLYTHYLENE PIPES (HDPE) GASEOUS PIPE	TZS 432

*As amended in 2009



FORM B



TANZANIA BUREAU OF STANDARDS
SHIRIKA LA VIWANGO TANZANIA
P. O. Box 9524 DAR ES SALAAM

RENEWAL OF LICENCE
to use the Mark of the Bureau

ENDORSEMENT

Licence No. **1125 - HIGH DENSITY POLYTHYLENE PIPES (HDPE) AND FITTINGS**

Granted to: **PLASCO LTD**
P.O.BOX 76770
DAR ES SALAAM



TANZANIA BUREAU OF STANDARDS
SHIRIKA LA VIWANGO TANZANIA
P. O. Box 9524 DAR ES SALAAM

RENEWAL OF LICENCE
to use the Mark of the Bureau

ENDORSEMENT

Licence No. **1124 - PLASTIC PIPES (UNPLASTICIZED POLYVINYL CHLORIDE PIPES)**

Granted to: **PLASCO LTD**
P.O.BOX 76770
DAR ES SALAAM

HDPE PIPE WELDING CERTIFICATION BY SKZ GERMAN PLASTICS CENTER



Plasco fields service team undergoing training on welding of HDPE Pipes at the SKZ training centre in UAE, 2018.



OUR FACILITIES

Based in the heart of the industrial hub of Dar es Salaam, Tanzania, Plasco is ideally located to support its customers in the Water, Sanitation, Agriculture, Mining, Construction, Hydro power, Telecommunications and the Oil and Gas industry in Tanzania and the neighboring countries in East Africa. Plasco's facilities are purposely built not only to produce at an optimal level, but also to provide exceptional service to its customers.

The plant was built with insight to accommodate for future growth and has a current conversion capacity of over 20,000 tons per annum. Our 18,000m² facility accommodates our Head Office, Finance, Sales & Marketing, Human Resource, IT and Administration departments. The Plasco facility and processes are fully certified to the ISO 9001:2015 Standard by SGS-UKAS. Our products are also certified by the Tanzania Bureau of Standards (TBS) and the KIWA Gastec Certification Laboratories, Netherlands.

Our emphasis on quality and efficiency throughout our operation speaks through our end products, service delivery and after-sales service. This enables us to optimise cost, produce the finest high quality plastic pipes and fittings in the region and provide added value to our esteemed customers.

HDPE & uPVC EXTRUSION

- 6 x Fully automated European-made PE Extrusion lines capable of producing from 16mm to 630mm diameter HDPE pipes of various pressure ratings.
They include the following state-of-the-art auxiliary equipment :
 - Ultrasound pipe scanner to check the pipe dimensions in real time
 - Gravimetric feeding systems for accurate wall thickness control
 - In-line Hot Stamping System for marking pipes according to international standards
- Ultra-modern fully automated European-made PVC Mixing Station with automatic feeding to the Extruders.
- 3 x Fully automated European-made PVC Extrusion lines capable of producing up to 315mm diameter uPVC pipes and includes In-line Inkjet Printing Systems for marking pipes according to international standards.



WEHOLITE MANUFACTURE

- 1 x State-of-the-art, Licensed, Weholite production line that is capable of producing structured wall Weholite pipes from DN 350 to DN 2200 with different stiffness classes.
- 1 x Band Saw for cutting the Weholite pipes at various angles for the fabrication of wide range of Weholite Fittings according to different needs and requirements.
- Weholite pipes and fittings are manufactured according to the International Standard ISO 21138-2. Plasco deploys a team of certified Welders in order to execute the Welding of Weholite pipes and fittings at the factory as well as at site.
- Plasco has the capability to fabricate innovative products from Weholite such as Manholes, Inspection Chambers, Rafts, Retention tanks, Water treatment plants, etc.



WEHOLITE APPLICATIONS



Manholes



Road/Rail Culverts



Drainage / Sewerage Systems



Retention Tanks



Sea outfall



Water Treatment

CONVERSION EQUIPMENT

- European-made CNC machines for threading and slotting of PVC pipes up to 315mm diameter for Borehole Casing and Drainage applications.
- Socketing machines for Bell-end and Rubber-ring sockets on uPVC pipes.

FITTINGS FABRICATION WORKSHOP

- A fully equipped fabrication workshop utilizing European-made equipment for manufacturing custom-made HDPE pressure fittings up to 630mm diameter (Segmented Bends, Tees, Cross-Tees, Y-Joints etc.). The workshop equipment includes :
 - Butt fusion machines for up to 630mm diameter pipes
 - Electro fusion machines
 - Band saw to accommodate HDPE Solid wall 630mm diameter pipes
 - Band saw to accommodate Weholite HDPE Structured wall 1200mm diameter pipes
 - Hand-held hot air & extrusion welding machines
 - Lathe machines for machining stub ends and other parts



MODERN LABORATORY FOR TESTING

Plasco Ltd. has invested in a state-of-the-art laboratory that is fully equipped with the latest technology in raw material and pipe testing equipment from Europe. This enables us to ensure that the highest quality of pipes are delivered to our customers.

Tests are conducted in accordance with international standards : ISO 4427, ISO 4437 and ISO 1452.

Control of the quality of raw materials to be used in the production of pipes is the first essential and necessary condition for compliance with the specified requirements of the finished product as per international standards. The following tests are conducted on raw materials at Plasco before issuing them into the production process :

- Melt flow index
- Bulk density
- Oxidation induction time
- Moisture content



Advanced raw material property testing equipment at Plasco used for testing HDPE materials (from left) : Oxidation Induction Time tester, Tensile properties tester.



Ring Stiffness Testing of Plasco Weholite Pipes according to ISO 9969 Standard

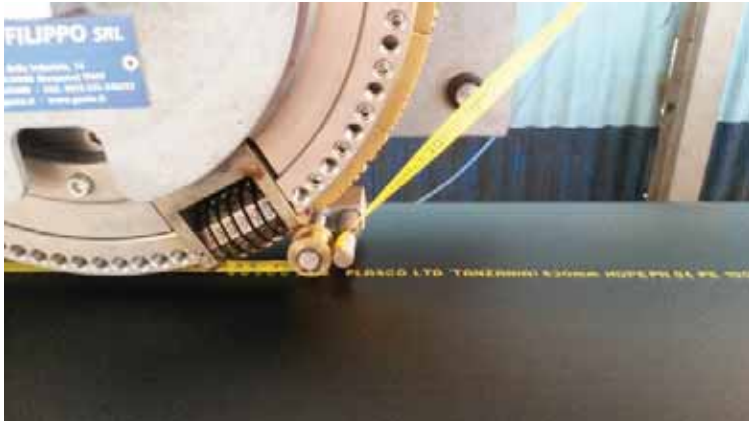


Automatic Hydrostatic pressure test equipment and Thermo-Controlled tanks to execute precise pressure tests at 20°C or 80°C as per international standards.

MODERN LABORATORY FOR TESTING

Pipe testing

- Dimensions
- Thermal reversion
- Impact test
- Long and short term Hydrostatic Pressure tests
- Rapid Crack Propagation (RCP) test for Gas Pipes
- Tensile Strength and Elongation test
- Compression/Ring stiffness and Creep test



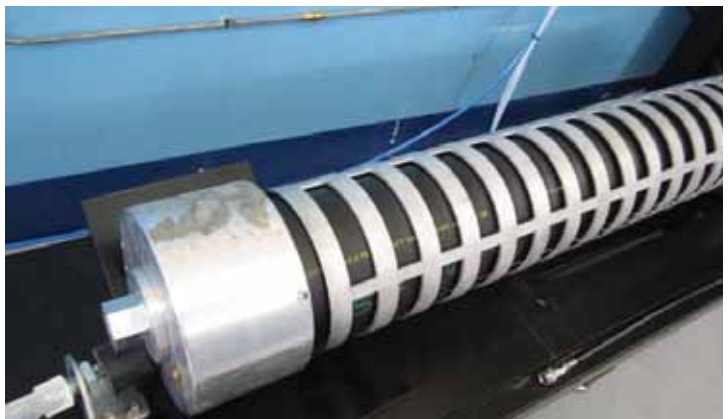
All pipes from Plasco are clearly marked with the following information for full traceability:
Manufacturer name, Diameter, Pressure rating, ISO and TBS Standard and Manufacturing details.



State-of-the-art Ultrasonic equipment for continuous monitoring of wall thickness (online).



Hydrostatic pressure testing capability of up to 630mm pipes using Thermo-tanks and high precision automatic testing equipment.



High precision state-of-the-art Rapid Crack Propagation testing equipment for Gas pipes.

OTHER

- A Field Services Unit consisting of equipment and trained/certified personnel for site welding and installation of HDPE pipelines up to 630mm diameter using Butt and Electro fusion techniques
- An extensive inventory warehouse for storage of pipes, fittings and raw materials
- Fully integrated modern SAP Software utilised as the ERP tool for running the business. This includes financial controls and reporting, inventory management, production and resource planning and preventive maintenance.



TECHNICAL SUPPORT AND TRAINING



TECHNICAL SUPPORT

Technical support includes:

- Project advice and recommendations
- Risk Assessment
- Project supervision
- Commissioning and testing
- Training – theory and practical



TRAINING

Although HDPE pipes offer many benefits over other pipe materials, working with such pipes & fittings can present challenges to contractors and field technicians who lack the technical experience of working with them.

Does each weld meet specifications? Are the correct fittings being used and installed?

Are safety considerations and requirements being met?

Will this installation hold up when the pressure is turned on?



PROJECTS

ACACIA MINING

Area – Northern Kahama (Bulyanhulu)

Project – Replacement of 450mm steel pipes by 450mm HDPE pipes



ANGLO GOLD ASHANTI

Area – Geita Gold Mine

Challenge

- Mine pit dewatering required to maintain mining operations especially during the rainy season.
 - Uneven and rough terrain causing considerable axial forces on the pipeline
- Restricted space and maneuverability

Solution :

280mm main PE pipeline
Joining of main line by butt welding
Overall length of the system 2.5km



JOINT VENTURE NPD-EMP-EWWCE RWANDA

Area – Rulindo District, Northern Province, Rwanda

Project – Muyanza Irrigation System (1,100Ha)

Installation of over 100km HDPE pipeline consisting of 500mm to 40mm diameter pipes and related fittings.



PORTFOLIO



KILOMBERO RICE PLANTATION

Area – Kilombero, Morogoro

Project – Irrigation scheme to supply and install 630mm HDPE Pipes.



DARAKUTA RANCH

Area – Babati, Northern Tanzania

Project – To upgrade existing 1MW hydro scheme which was utilising 315mm PVC & Steel piping by supplying and installing 500m of 630mm HDPE piping which significantly increased the capacity and efficiency of the scheme.



NDOLELA AFRICAN PLANTATIONS

Area - Madaba, Songea

Project - Penstock for mini Hydro power project for Tea Plantation.

Scope of work - Supply and install 800m of 630mm HDPE pipes and fittings.



BALTON TANZANIA - AVOCADO PLANTATION

AREA - Moshi - Sanya Juu

Scope of work

Supply and installation of 1200m x 355mm PN10 HDPE piping for irrigation of Avocado plantation.

Challenges - Difficult hilly terrain with no vehicle access

SOLUTION - Transport and welding carried out by hand



TANZANIA PETROLEUM DEVELOPMENT CORPORATION (TPDC) – UBUNGO GAS PROJECT

Area - Ubungo - Mikocheni , Dar es Salaam

Scope of work

Supply and installation of 1600m x 315mm SDR11 HDPE gas pipe from Ubungo to Mikocheni Dar es Salaam. Very congested build up area. Horizontal Directional Drilling required for two major road crossings.



GEITA GOLD MINE

Area - Geita

Project:

HDPE Weholite double-stack Culverts for Storm water management

Scope of work

Supply and Installation of DN1200 pipes



BEIJING CONSTRUCTION ENGINEERING GROUP

Area - Arusha

Project:

Arusha Sewerage Extension Network

Scope of work: Supply and
Installation of HDPE Weholite pipes.



BAM International

Area - Dar-es-Salaam & Arusha

Project:

Julius Nyerere International Airport –
Terminal 3 Area & Kilimanjaro
International Airport

Scope of work:

Supply and installation of
underground fire ring main, re-routing
of Terminal 2 water line, foul and rain
water lines, pumped sewer line and
irrigation pipelines.



RIFT VALLEY ENERGY Luponde Hydropower Project

Area - Luponde, Njombe

Project:

Penstock piping for a Mini Hydropower Project

Scope of work:

Supply and installation of 2500m of 630mm HDPE pipes to supply power to Luponde Tea Estate and 8 villages.



SINOHYDRO CORPORATION LTD.

Area - Krokoni Road, Arusha

Project:

Relocation of Storm water line along Krokoni Road

Scope of work:

Supply and installation of DN700 SN4 HDPE Weholite pipes



OTHER PROJECTS

No	CLIENT	PROJECT DESCRIPTION	PRODUCTS SUPPLIED
1.	Rift Valley Energy	Luponde Hydro Power 1MW	HDPE Pipes, Fittings and Field Services
2.	TPC Sugar Plantation, Tanzania	Upgrade and Expansion of irrigation network	HDPE and PVC Pipes, Fittings and Field Services
3.	Williamson Diamond Mine, Tanzania	Pit dewatering systems, Process water pipeline upgrade, Underground piping network upgrade & Water supply	HDPE Pipes and Fittings
4.	BAM International	Julius Nyerere International Airport Terminal 3 & KIA	HDPE Pipes, Fittings and Field Services
5.	Jacobsen Elektro Ltd.	Kinyerezi I Power plant - Fire ring main system	HDPE Pipes and Field Services
6.	Dar-es-salaam Water Supply & Sewerage Company (DAWASCO)	Upgrade and Expansion of Dar-es-salaam city water supply network	HDPE and PVC Pipes and Fittings
7.	Raha Telecom, Tanzania	Installation of Fibre-optic network in Dar-es-salaam	HDPE Telecom ducts
8.	Mwanza Urban Water Supply and Sewerage Authority, Tanzania (Contractor - CCECC)	Lake Victoria Water Supply project in Mwanza	HDPE Pipes and Fittings
9.	Contour Global – KivuWatt, Rwanda	Methane Gas Extraction from Lake Kivu, Rwanda	HDPE Gas Pipes & Fittings
10.	Kilombero Plantation Ltd.	Rice Irrigation scheme in Morogoro	HDPE pipes, Fittings and Field Services
11.	Beijing Construction Engineering Group	Arusha Water and Sewerage project	HDPE Weholite pipes, Fittings and Field Services
12.	JV NDP-EMP-EWWCE - Rwanda	Installation of over 100km HDPE pipe line for Muyanza Irrigation scheme	HDPE Pipes, Fittings and Field Services
13.	China Civil Engineering Construction Corporation (CCECC)	Water project in Sengerema	HDPE Pipes and Fittings
14.	Mercy Corps	Rehabilitation of Water supply and water treatment project in Bukavu City in DRC (Congo).	HDPE Pipes and Fittings
15.	EGC - Rwanda	Construction of Mazigiro / Kazaki water supply scheme in Panzi and Bukavu City in DRC (Congo)	HDPE pipes and Fittings
16.	Geita Gold Mine	Water supply project from Nungwe to Nyankanga	HDPE pipes and Fittings
17.	Geita Gold Mine	Installation of HDPE Weholite culverts for storm water management	HDPE Weholite Pipes and Field Services
18.	Beijing Construction Engineering Group (BCEG)	Installation of HDPE Weholite DN700 pipes for Arusha sewerage extension network in Tanzania	HDPE Weholite pipes and Field services

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