



THEO LIMITED

- +255 763 767 249
- theo@theo.com
- Salasala, Dar es Salaam, Tanzania

Dealers in Mining, Metal Fabrication, Construction, Investment Services and General Supply

BUSINESS PLAN FOR THEO LIMITED

Description of the Business

Theo's range of flow control systems are designed to regulate storm water flow before it discharges into the watercourse or sewer networks. Theo's Q-Brake Vortex flow controls and Theo's Q-Plate orifice plates are capable of regulating any flow for surface water applications and can be used in conjunction with retention and attenuation systems, such as ACO StormBrixx, as an integrated sustainable urban drainage (SuDS) scheme. Our aim is to supply and fix our products at a cheaper and affordable price as well as bring change to Tanzania especially in Highway roads and rural roads.

In addition, THEO LIMITED plans on doing the following activities such as;

- CNC machining
- Metal work
- Pipe fitting
- All welding processes

The Management

- The Founder/ Managing Director.

He will be responsible with overseeing the company daily activities from the financial to technical operations.

- The Team itself

It will be comprised of administration/human resource manager, workshop/ equipment manager, finance manager as well as the Director of operations who reports directly to the Managing Director. The team is expected to be comprised of 95% Tanzanians' expert and at



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least 5% foreigners who will help in skills and technological transfer to the local experts at start of the company.

The Product

What is Q-Brake Vortex?

THEO'S Q-Brake Vortex is a horizontal vortex flow control designed to regulate storm water flows from 1-100 litres per second. Manufactured from grade 304 stainless steel, each THEO'S Q-Brake Vortex is individually configured to suit specific performance criteria. The design of a vortex flow control is based on the fluid mechanics principle of the forced vortex, which permits flow regulation without any moving parts. THEO'S Q-Brake Vortex utilises the upstream head and discharge to generate a 'vortex' within the structure of the unit. The water is then released at a pre-determined controlled rate preventing downstream flooding. Unlike more conventional methods, THEO'S Q-Brake Vortex is less prone to blockage and permits higher flow at a lower head of water, as a vortex control allows an outlet 4-6 times larger in cross sectional area to be used. Q-Brake Vortex can form part of the design of any integrated drainage scheme for a wide range of infrastructure, industrial and other SuDS applications.

What is Q-Plate?

Q-Plate orifice plates are designed for use where a Q-Brake vortex is not the most effective solution. To suit application requirements, the range is available with or without remote bypass and drain down and is designed to match a variety on manhole configurations. Information regarding the specification of Q -Plates can be found on page 14. Q-Plates with and without drain.

Planning and connection Q-Brake Vortex addresses the planning and connection requirements set out in the Floods and Water Management Act. Where a discharge restriction is in place, Q-Brake Vortex regulates the surface water flow to the specified rate. For Tailored performance for Each Q-Brake Vortex is tailored to the specific performance requirements of the application providing optimum efficiency within the system. For



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Goals and Objectives

- Increase efficiency
- Sustainable drainage system
- Improve employee training
- Capture a bigger market share (East Africa)
- Provide a better customer service

Our mission is to provide a unique, affordable and high-quality products for drainage system to local consumers as well as export to neighbouring countries

OUR CORE VALUES

- Practise high ethical standards
- Respect and protect the environment
- Meet the changing needs and desires of clients and consumers.

Company Advantages

Key Benefits include:

- Easy transportation and installation
- Minimise working time in a confined space
- All plastic interfaces fully welded, watertight and spark tested
- All kind of training fields provided



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Optimum hydraulic efficiency 4 The mechanism employed within Q-Brake Vortex provides superior hydraulic performance in comparison to traditional flow control systems. For Water Authority Approval Q-Brake Vortex has been approved for use by several water authorities including Severn Trent, Anglian and Scottish Water. For Proven performance Q-Brake Vortex is UK manufactured and has been independently laboratory tested to verified discharge rates. Simplified access and maintenance for Q-Brake Vortex has large clear openings making it less prone to blockage. The absence of any loose parts also reduces maintenance requirements. The patented bypass door and emergency drain down facility allows Q-Brake Vortex to be remotely accessed from the surface to allow the upstream system to be independently drained, completely bypassing the inlet. Building Regulations 2000 Section H discourages direct man access to sewer manholes. 4 Reduces total installed cost for Q-Brake Vortex allows more flow at lower heads, reducing the need for on-site storage volume requirements lowering installation costs. Ease of installation for Each Q-Brake Vortex unit is custom built to suit the profile of the chamber. Radius fixing options remove the need for additional benching - simplifying installation and reducing cost. For WinDes Q-Brake Vortex can be sized and modelled on the latest version of the design software and can be incorporated into the overall hydraulic drainage design.

