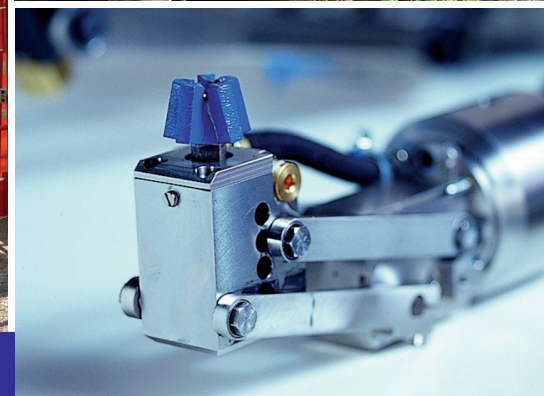


# **DRAINFORCE**

L I M I T E D



[www.drainforce.co.uk](http://www.drainforce.co.uk)

Leaders within the sewer rehabilitation industry



# Welcome

Drainforce Ltd are recognised as experts in our field and one of the leaders within the sewer rehabilitation industry. We are a specialised business with a 'can-do' attitude.

Our headquarters are situated perfectly in South Wales and London, which allows for rapid mobilisation to all sites.

With a wealth of experience our company values are:

- Safety is our number one priority
- Having the right people in the right role
- Outstanding level of service to our customers
- Secure long term working relationships for all.

We aim to be the number one choice for our employees and our clients, providing an outstanding level of service and commitment.

If you would like any further information on our company, please feel free to contact myself, or any member of our team.

Yours sincerely



Julian Powell  
Director



# Introduction



Drainforce are setting new standards of sewer rehabilitation for the 21st century, across the UK and Europe.

Our company has made a multi-million pound investment in cutting-edge plant and equipment. Future planned programmes of acquiring the latest plant technology as it becomes available, underlines Drainforce's ethos that only the best will do for our clients.

## On your site, you can expect to see:

- Prokasro UV installation curing plants
- Prokasro lateral cutting units
- Prokasro resin injection and top hat profiles
- Kaiser Whale Dirty Water Recycling, jetting and vacuumation rigs
- IBOS CCTV inspection systems
- Wincan Fixed and Wincan Mobile interrogation software.



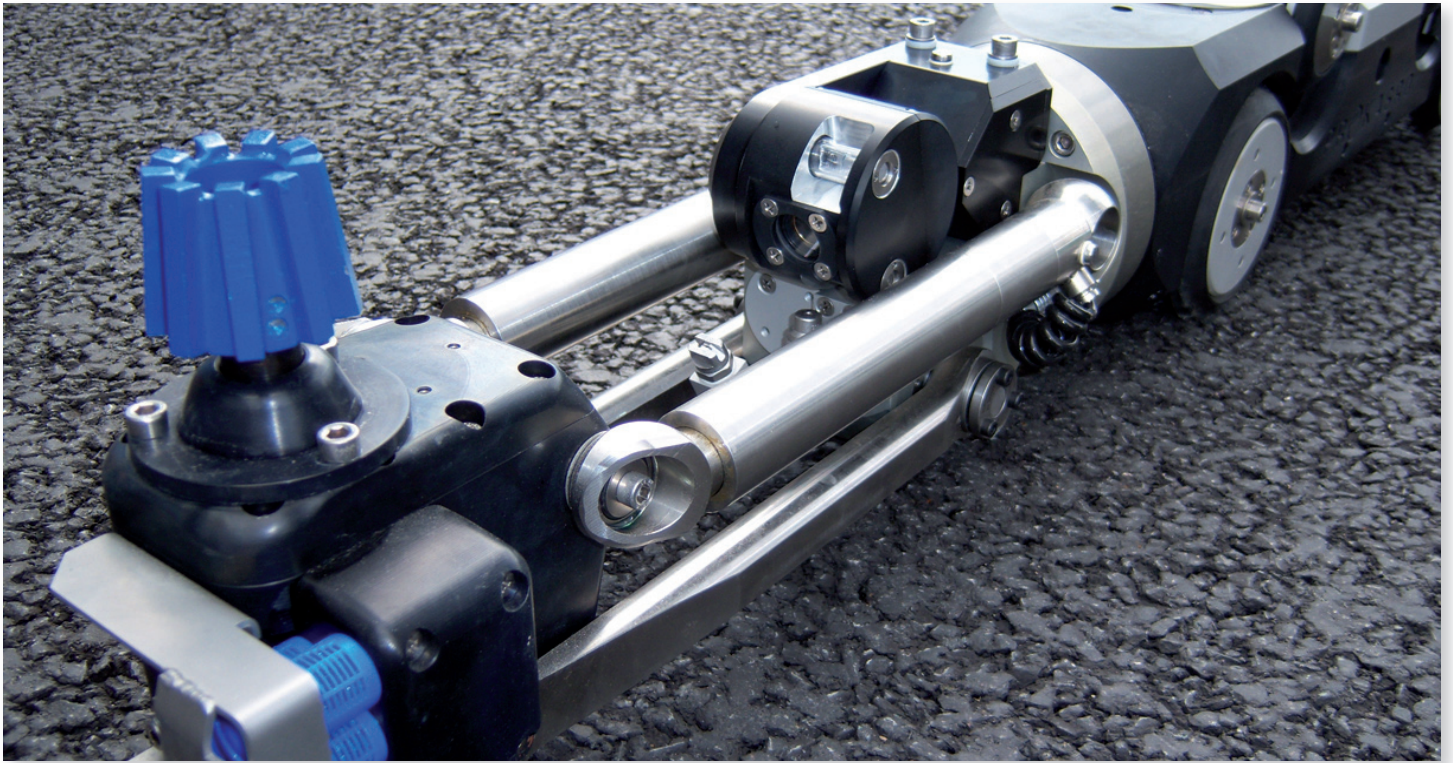
## Why is such prestigious equipment important to you?

From initial investigation CCTV work, deep sewer cleansing through to specialist relining techniques using the next generation, environmentally friendly, UV technology, such equipment is vital. It enables us to lead the way with multi discipline operations within our industry.





# Robotic Cutting



Lateral preparation and re-opening cutting is a critical part of any sewer rehabilitation project as the relining itself. Therefore all of it must be fit for purpose.

That's why Drainforce have developed and perfected techniques by in-house research and development, to accurately position the remote cutting heads after the liner has been inserted. This guarantees a clean and precise re-opening of the all-important connections.

That's probably why other contractors in the industry commission us to finish off their projects in both the UK and Europe!

Investing in the ultimate Prokasro cutting equipment allows for total flexibility, reliability and efficiency to enable re-commissioning pipe diameters from 100mm to 1200mm quicker than more basic systems.

With such flexibility and ability, remedial work such as lateral intrusions or perhaps concrete or root based contamination removal from any pipe, is made simple. Drainforce's specialist remote cutting techniques give a cost effective solution to what otherwise would be an expensive and troublesome task.

By committing major investment in Prokasro systems, together with our in-house expertise, we are able to provide solutions, safely, on-time and within budget.

“Total flexibility,  
reliability and efficiency”



# Sewer Relining

For many years, sewer networks have been offered 'No Dig' pipeline rehabilitation solutions. All these solutions still have major disadvantages of potential environmental impact as well as the inherent risks and drawbacks associated with traditional methods of excavation, for example cost, noise and client disruption.

## Drainforce has the answer

A technically mature, economic, environmentally and flexible renovation process, quality checked materials and production processes, individual consultancy and support, are the essential factors you can expect when partnering with Drainforce.

Whether you need circular profiles, egg shape, mouth shape or box section Drainforce's SAERTEX-LINER is the answer.

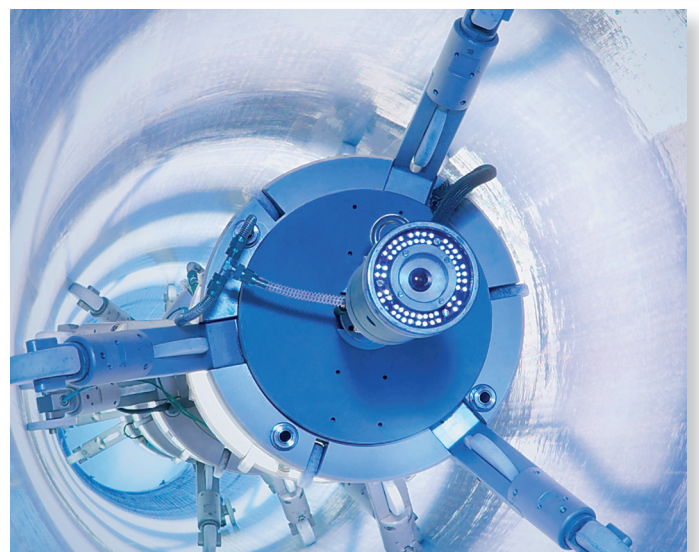


Depending on its dimensions and wall thickness, SAERTEX-LINER can be produced in lengths of up to 500m. Even a change of dimension within one pipeline or bends up to 30 degrees can be completed without any problems. Dimensions range from DN150 to DN1200, with wall thickness from 3mm to 12mm.

**Once your pipe has been rehabilitated are you being told you have to wait days or even weeks before it is ready to use again?**

This is not the case with the SAERTEX-LINER. Recommissioning activities can be carried out immediately after the curing process. This applies both to the liner connections within the shafts and to the re-opening of lateral connections using the unique Drainforce cutting methods and techniques.

This is an immediate advantage on live sewer applications, minimising flow "stoppering" and over pumping concerns, as four hours is usually sufficient to install one liner and to put the rehabilitated pipe section back into use!





# Deep Sewer Maintenance and Cleansing

Kaiser Whale Dirty Water Recycling jetting and vacuumation rigs are essential to unblock, clean and service deep and large diameter sewer networks.

Our unique specification “Kaiser Whale” jetting rigs have flow rates in excess of 120 gallons per minute and pressures up to 200 bar. Complemented with flexible waste capacity due to Drainforce’s movable partition tank technology, gives total flexibility to each and every task.

## Vacuumation from the Deep and Grease Removal

Not everyone understands the difference between air conveying and vacuum suction. Certain contractors use an excuse that the material is too heavy, wet or even the wrong type of waste when the job takes longer than it should! In reality, they simply don’t have the right kind of equipment to suit the task.

We have the equipment, stock and expertise, so failure is not an option!

Wet wells, pumping stations, hydro-brakes, balancing tanks, the list goes on, but with Drainforce, difficult tasks are complete in an efficient and cost effective manner.



## Remote Locations

Not all sewer networks are accessible by normal road vehicles, so we have developed a simple but unique complete package solution to enable off road jetting.

## The Solution!

Auxiliary Reel: A remote hose unit that facilitates the cleaning ability of the Kaiser Whale Dirty Recyclers. Off road locations and poor ground conditions are accessed easily. Coupled with the engagement of the Kaiser Whale’s vacuumation ability, Drainforce are capable of cleaning pipes in the most demanding conditions and terrain.





# Jetting and Blockage Clearance



## Emergency Response

From rapid response to domestic and light industrial applications, through to planned deep sewer cleansing operations, Drainforce has the solution using the latest and best equipment.

Drainforce's Micro Jetter Vacuumation units and Van Pack Jetting units are all perfect for rapid response blockage removal even up to pipe diameters of 300mm. You will have no doubt that we pride ourselves in their ultimate high level service.

Our discreet van pack jetting rigs also give greater flexibility when access is even more restrictive or sensitive, again perfect for domestic and light industrial applications.





# CCTV Pipeline and Drainage Surveys

Drainforce are able to undertake any CCTV Surveys on sewers or industrial pipelines, whether it is for your routine maintenance or problematic areas within your systems.

With the ability to survey pipe sizes from 100mm up to 1500mm under any conditions, we can reach distances in excess of 300 metres with our main line crawler units. We are even able to undertake large culvert surveys with our floating camera system.

## Difficult Locations?

We are able to survey in remote areas not accessible by vehicles, using our portable systems.

## Reporting

Our operators are accredited and trained to European standards such as the current editions of OS19X & OS20X coding methods. They are backed by using nothing but the best in equipment, underlined by latest interrogation software, Wincan Fixed and Wincan Mobile.

And not forgetting 'On-site' real-time ability to formulate CCTV survey reports. The flexibility to submit reports in a format you require and specify.... simply underlines why Drainforce are leading the way.



With on-site vehicle broadband connections, immediate survey reports in a PDF format can be sent to your desk for instant decision making. Using Wincan mobile software on site, allows for first hand accuracy in formulating surveys in Wincan code. Doing so, eliminates the risk of office based errors.





# Manhole Surveys



Drainforce currently operates two fully equipped survey rigs, capable of surveying manholes in both rural and major traffic areas. All of our Manhole surveyors are trained to WTI standards and are capable of producing high quality reports in current STC25 format.

Both Manhole Survey rigs are equipped with state-of-the-art GPS Surveying equipment accurate to within 25mm. All work is completed on site, using state-of-the-art IT systems.

## Other Surveys

- Pumping Stations
- Combined Sewage Overflows
- OS Base Stations
- Autocad
- Outfalls
- Rescue Team Services.

..... and many more!

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Bristol BS1 6DA  
0117 905 0111  
info@dfc.co.uk

**STC25 COMPUTERISED SEWER RECORDS**

Forms for use with **STC25 COMPUTERISED SEWER RECORDS**

STC25 GRID REFERENCE: S56392379162  
LOCATION: SINGLETON PARK  
DRAINAGE AREA CODE: 8  
SURVEY DATE: 01/09/10

YEAR LAD: U STATUS: TR FUNCTION: C NODE TYPE: M  
COVER: SHAPE: R HINGED: Y LOCK: Y DUTY: H SIZE: 720 x 670 TOXIC ATMOSPHERE: N  
SHAFT: SIDE ENTRY: N REGULATE: S DEPTH (mm): 720 SIZE: 600 x 600 EVIDENCE OF VERMIN: N  
CHAMBER: SOFFIT: S STEPS: 8 LADDERS: 0 LANDINGS: 0 SIZE: 1800 x 0 CONSTRUCT CODE: P  
DEPTH OF FLOW (mm): 550 DEPTH OF SLT (mm): 100 HEIGHT BURCHARGE (mm): 0 COVER LEVEL (m): 11.16

|                | UPSTREAM REFERENCE | PIPE SHAPE | PIPE SIZE (mm) (diam) | BACKDROP DIAM (mm) | PIPE MATERIAL | LINING MATERIAL | DEPTH FROM COVER (m) | INVERT LEVEL |      |
|----------------|--------------------|------------|-----------------------|--------------------|---------------|-----------------|----------------------|--------------|------|
| INCOMING PIPES | A                  | 63823101   | C                     | 600                |               | CO              | 3.350                | 7.81         |      |
|                | B                  |            |                       |                    |               |                 |                      |              |      |
|                | C                  |            |                       |                    |               |                 |                      |              |      |
|                | D                  |            |                       |                    |               |                 |                      |              |      |
|                | E                  |            |                       |                    |               |                 |                      |              |      |
|                | F                  |            |                       |                    |               |                 |                      |              |      |
| OUTGOING PIPES | X                  | 63823103   | C                     | 875                | N             | A               | CO                   | 3.35         | 7.81 |
|                | Y                  |            |                       |                    |               |                 |                      |              |      |

CONDITION (if 4 condition required) COVER: N IRONSLADDERS: N SHAFT: N CHAMBER: N BENCHING: N OTHER: N

REMARKS: PTO





# Health and Safety

For any working environment, safety is the number one and most important factor. Drainforce's rigorous safety policy, which has regular reviews by independent safety consultants, is compounded by our policy of ongoing training for employees to the highest possible standard.

All safety policies, method statements, risk assessments and copy personnel certificates are carried on board each operational vehicle for ease of audit and inspection by third parties.



Investing in personnel training in the following subjects ensures safe quality operations.

- Confined Space Entry Procedures (NVQ)
- Confined Space Rescue
- Signing Lighting & Guarding (NRSWA)
- Location & Avoidance of Underground Apparatus (NRSWA)
- City & Guilds – Streetworks – Supervisors Card Units (NRSWA)
- Water Jetting Association – Jetter Operatives
- CSCS Construction Skills Health & Safety
- Robotic Cutting Equipment (Prokasro)
- UV Lining Approval Contractor (Prokasro)
- CITB Site Safety Plus
- Health & Safety at Work
- Manual Handling
- First Aid – Appointed persons
- Risk Assessment & Method Statement
- Fire Safety & Use of Portable Fire Extinguishers
- IOSH Managing Safely
- PTS (Personal Track Safety)
- London Underground (Track Safety).



# Accreditations

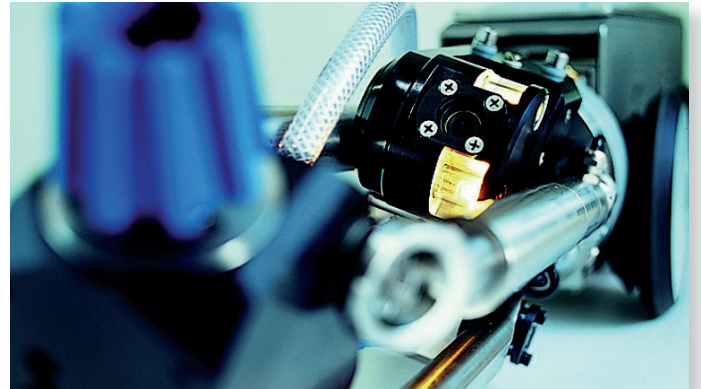


Some of our clients include:

**Balfour Beatty**



“An outstanding level of service to our customers”







# **DRAINFORCE**

L I M I T E D

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