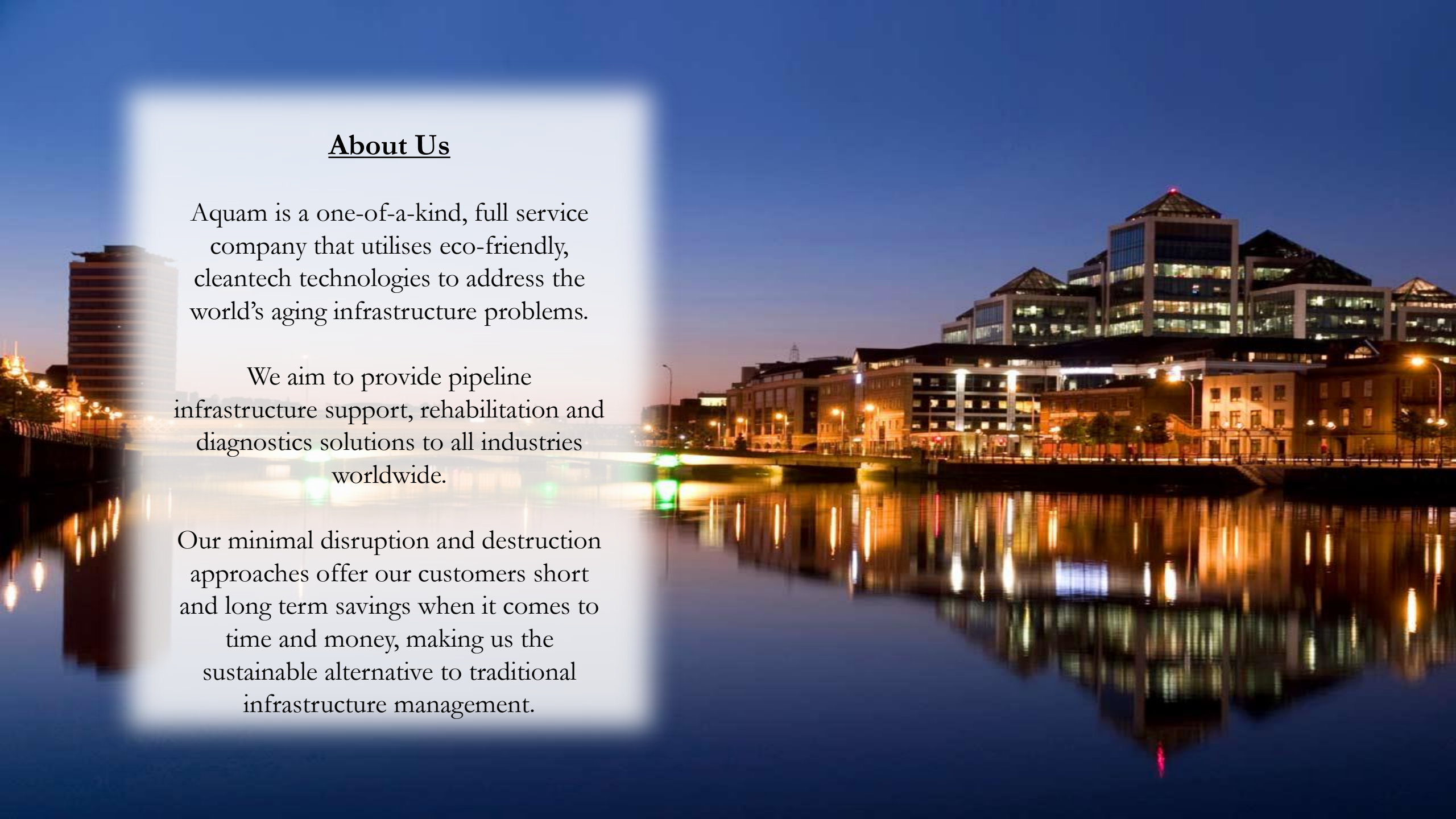

AQUAM
A Fully Integrated Pipeline Solutions Provider



About Us

Aquam is a one-of-a-kind, full service company that utilises eco-friendly, cleantech technologies to address the world's aging infrastructure problems.

We aim to provide pipeline infrastructure support, rehabilitation and diagnostics solutions to all industries worldwide.

Our minimal disruption and destruction approaches offer our customers short and long term savings when it comes to time and money, making us the sustainable alternative to traditional infrastructure management.

AQUAM

Pipeline Diagnostics

Pipeline Rehabilitation

Infrastructure Support

jd7

htc

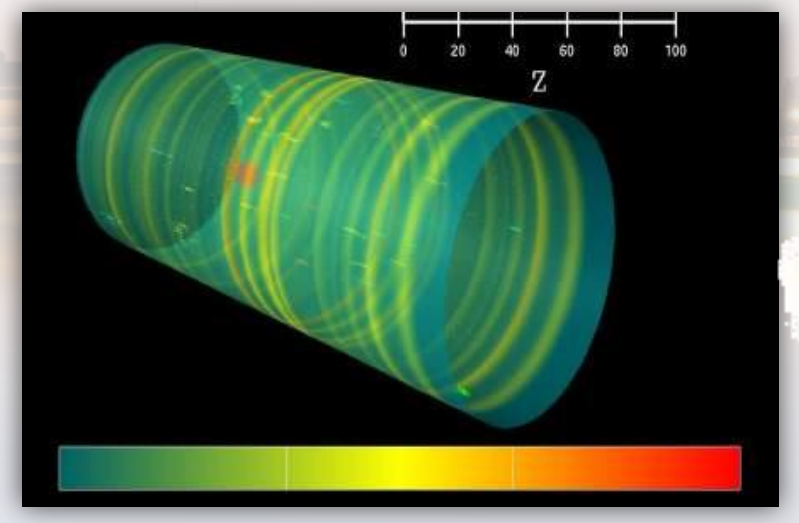
NU FLOW
RELINE REPAIR RENEW
An Aquam Group Company

Water SERVICES

CapCon Engineering Ltd

Pipeline Diagnostics

JD7 is a specialized technology provider focused on pipeline assessments and inspection solutions for all utility sectors. JD7 technology is used globally for water, gas and industrial pipeline investigations focusing on corrosion, CCTV and leak detection assessments.



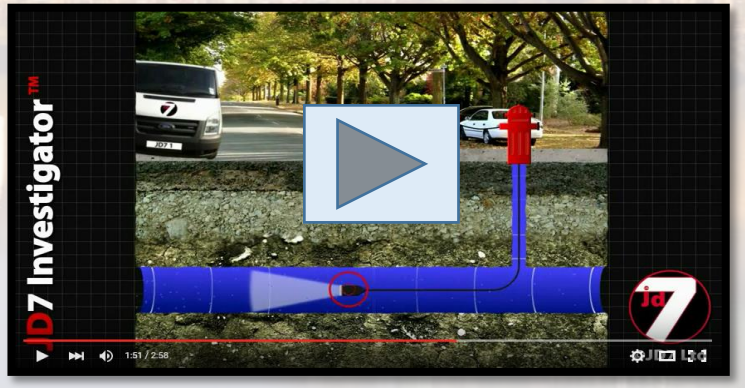
Pipeline Diagnostics

- Using the latest technology in the industry, JD7 can offer professional, accurate ass
  all pipeline systems

- Assessment of entire network, from the property line to all internal pipework configurations

- JD7 technologies can provide precise reports on visual condition output, wall thickness measurement, corrosion assessment, and leak detection services

- This allows our clients to;
  - Make better informed investment decisions
  - Be proactive regarding management of their assets
  - Compile up-to-date data on asset condition
  - Use budgets more efficiently
  - Make long-term savings throughout the lifecycle of their building



Watch Our Demo Video

Pipeline Diagnostics

- Remote operated vehicle inspections
- Trunk mains inspection/leak detection
- Asset condition assessment surveys
- Pipe leak detection in all materials
- Non destructive testing/Pipe work condition assessment
- Live mains non-interruption CCTV pressurized inspections
- Hydrant entry surveys
- Mapping/Network tracing
- Sampling
- Hydrant services
- Item retrieval

Pipeline Rehabilitation

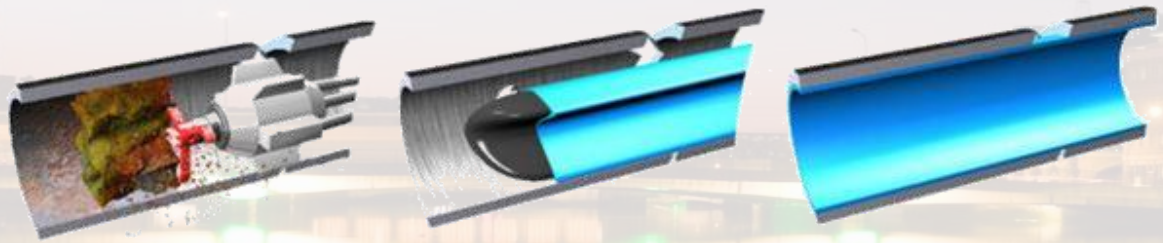
Nu Flow install innovative technologies to rehabilitate failing or deteriorating piping systems. These technologies are non-invasive, in-situ, and offer a 'greener' alternative to pipe replacements. We are specialists in small diameter pipe rehabilitation and offer bespoke services for large diameter pipelines also.

- Non-disruptive to building fabric
- No-digging required
- Cost effective
- Minimal downtime of systems
- Permanently repairs leaks
- Maintains pressure and flow
- Prevents future corrosion
- Safe and durable
- Preserves the life of the pipe
- Eco-friendly

Pipeline Rehabilitation

NU FLOW
RELINE REPAIR RENEW

NU DRAIN



Step 1.
Pipe Cleaning

Step 2.
Pipe Lining

Step 3.
Bladder Removal & Evaluation

Common Applications

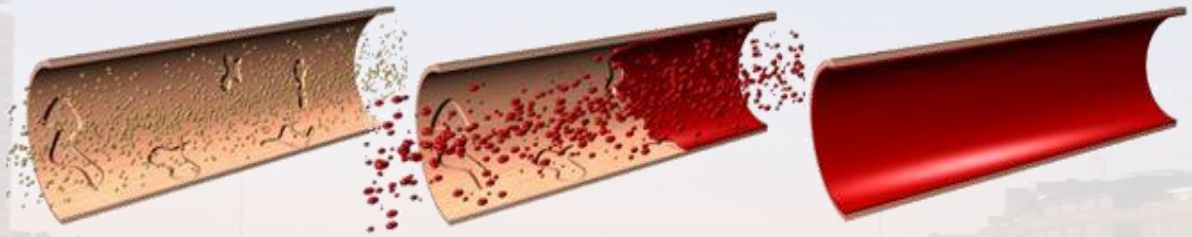
- ✓ Vertical Sanitary Stacks
- ✓ Horizontal Sewer Branches
- ✓ Sewer Mains
- ✓ Roof Drain Systems
- ✓ Spot Repair Liners

Watch Our Demo Video

Pipeline Rehabilitation

NU FLOW
RELINE REPAIR RENEW

NU LINE



Step 1.
Pipe Cleaning

Step 2.
Pipe Coating

Step 3.
System Reassembly & Evaluation

Watch Our Demo Video

Common Applications

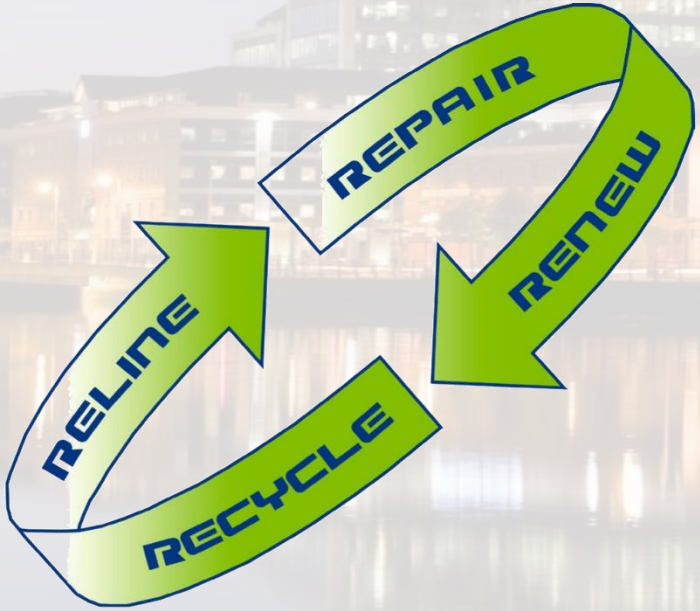
- ✓ Hot and Cold Potable Water Systems
- ✓ Lead Pipes
- ✓ Compressed Air
- ✓ HVAC / Hydronic and Chiller Systems
- ✓ Fire Suppression Systems
- ✓ Processed Conduit & Chemical Piping
- ✓ Gas Service Lines

NU FLOW
RELINE REPAIR RENEW

Pipeline Rehabilitation

Our technology is eco-friendly in more than one way. When Nu Flow solutions are applied to damaged or failing pipelines, our customers can be assured that they are choosing the greener alternative to pipeline replacement.

- No digging means we don't fuel excavations, busy up roads or have high carbon emissions
- We reuse 100% of the existing host pipe meaning we don't have to send waste to landfill
- We reduce pollution by offering permanent solutions to leaking sewer lines and drains
- We save water by permanently preventing leaks



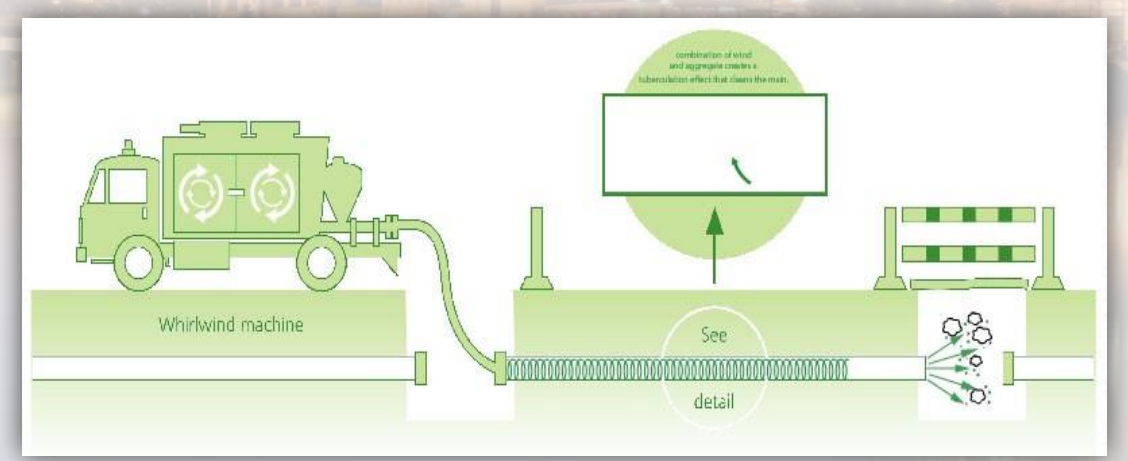
Pipeline Rehabilitation

- HTC offer extensive experience in pipeline commissioning, hydrostatic testing, and pipeline cleaning.

- **Commissioning:** Provide personnel and pre-engineering services for production of procedures, health & safety plans and method statements prior to commissioning of pipelines

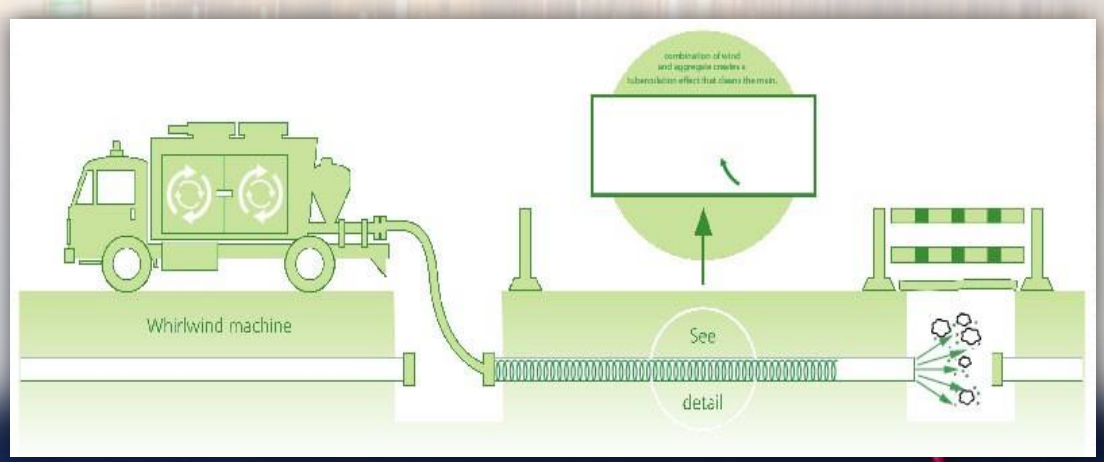
- **Testing:** Provide an efficient, cost-effective solution for the pipeline industry's pressure testing requirements

- **Cleaning:** Whirlwind™ is a proven technology introducing a new process to remove tubercles and other deposits from the internal pipe walls of potable water mains



Whirlwind

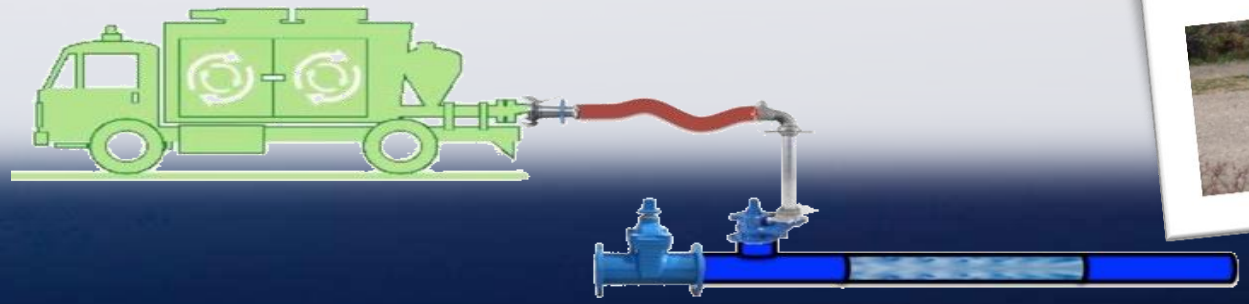
- A process to remove tubercles and other deposits from the internal pipe walls of potable water mains prior to relining
- Warm dry air is introduced to dry the pipe and any residual water.
- Aggregate is fed from the hoppers into the airflow.
- The turbulent nature of the airflow causes the aggregate to be thrown against the pipe walls, , impinging and dislodging the tubercles from the inside of the pipe which is carried by the airflow to the exit point.
- This process also provides an anchor tooth for the lining material to bond to the host pipe to offer the required adhesion for a permanent coating.
- All material from the process can be utilised in backfilling the pit required, thus saving on landfill.



Whirlwind

- Injection of water droplets into airflow, used for moderate cleaning
- Operated through hydrant to remove Biofilm and Manganese
- Small diameter up to 200mm”
- Can also accelerate the chlorination process of new pipelines
- 2km metres long in a single operation
- An approved disinfection solution which can reduce the time taken to chlorinate
- A totally enclosed system and has been proven as a successful solution for cleaning Asbestos cement product
- Environmental significant reduction in fresh water and

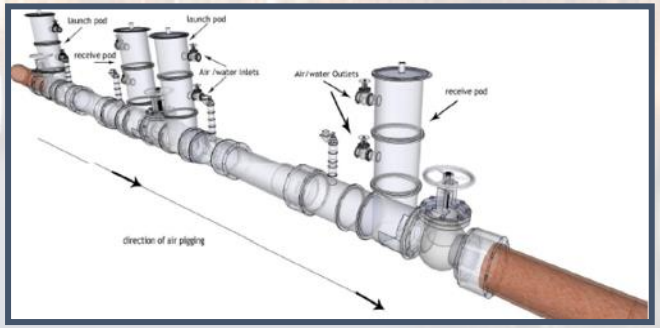
  Waste disposal



Whirlwind

The Pneuclean “minimum dig” solution to “LDTM” (Large Diameter Trunk Main) Cleaning

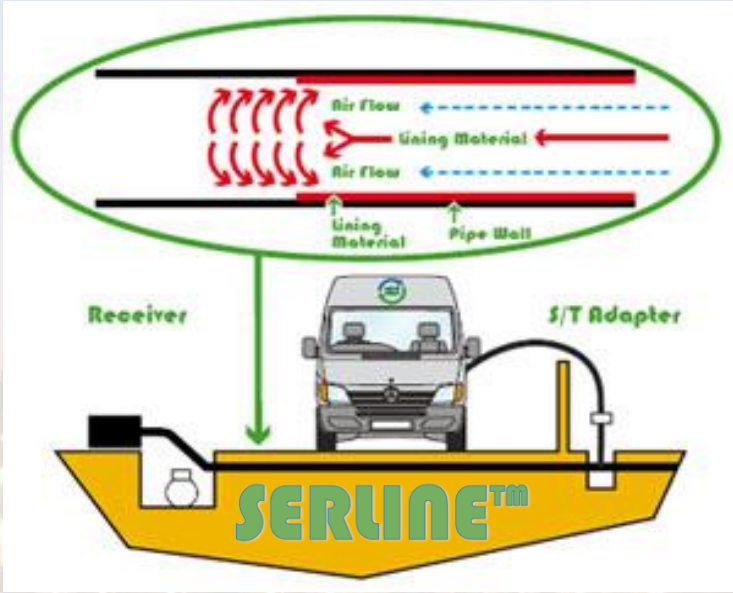
- Effective swabbing minimising water waste, use typically 1% volume
- Minimises digs .Typically 4 against 25 per 8km
- Open cell cleaning pigs swabbing technique utilising only the water
- Multiple runs of the system to ensure that the main is perfectly clean before returning to service.
- Commercially cost effective to Manganese and pipe cleaning
- Individual lengths of LDTMs up to 1.8m diameter and lengths up to 10km.

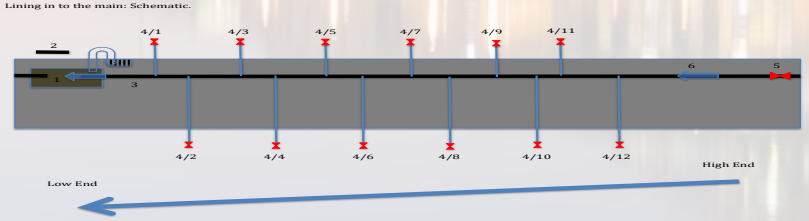


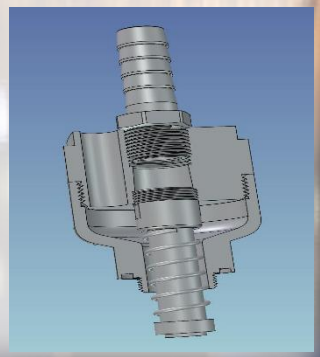
Lead service line rehabilitation process

Advantages:

No dig technology ,one pit per 15 properties
No disruption to customer via Overland supply to meter
Multiple lines per day
Automatic notification per property via email







DWI / WRC approved material.
WRAS approved material

Latest Innovative Continuous Supply Techniques

Mobile support / immediate availability

Overland supplies / standpipes/fittings

Re-zoning

Stop-tap bypass

Assisting no dig technologies

Assisting pipe lining

and leak repairs

Used in tandem with our

Lead lining teams

Infrastructure Support

Licenced Water Standpipes & Hydrants

- Over fifteen years' experience of hiring standpipes throughout the UK, working with some of the largest Water Authorities as a UVDB accredited supplier
- Provide a simple service of locating, organising and delivering the correct legally compliant standpipe in tandem with training all operatives with our accredited Calm network programme

Water Dispensing - Ports & Shipping Service

- Pioneering a metered service in supplying potable Water from either static or mobile facilities
- Our managed service has pioneered a unique and fully compliant method for dispensing water to shipping and ferry terminals

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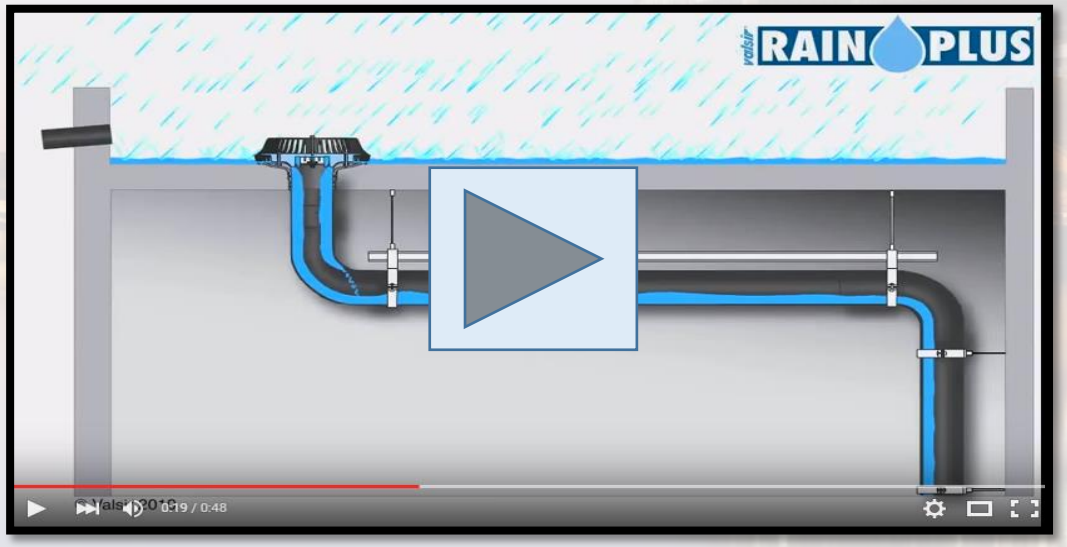
Infrastructure Support

CapCon Engineering Ltd

- **Siphonic Rainwater Drainage:** Registered installers of world leading siphonic drainage systems
- **Engineered Gravity Rainwater Drainage:** Design, measure, and install gravity drainage in any building type
- **Survey, Design & Remedial Works:** Act as consultants to a large network of building maintenance managers, carrying out survey's, design works, and remedial works on existing rainwater drainage schemes



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