Advanced technology for a healthy environment

CleanFlow Systems

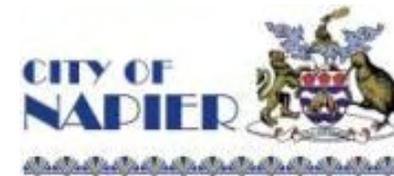## CleanFlow products are approved worldwide by:

WRc
APPROVED
PT/235/0904

IKT

Water Research Council of Great Britain   Institute for Underground Infrastructure of Germany

CleanFlow Customers

Local Authorities:

AUCKLAND City Council | waterCare services limited | metrowater | NORTH SHORE CITY | Rodney DISTRICT COUNCIL

Papakura District Council | CHRISTCHURCH CITY COUNCIL · YOUR PEOPLE · YOUR CITY | NELSON CITY COUNCIL te kaunihera ō whakatū | CITY OF NAPIER

Contractors:

PipeWorks | BILFINGER BERGER Services | TRANSPACIFIC INDUSTRIAL SOLUTIONS NZ

city care | Excell | ADVANCED PIPELINE SERVICES LTD

CleanFlow Worldwide

CleanFlow Systems Ltd

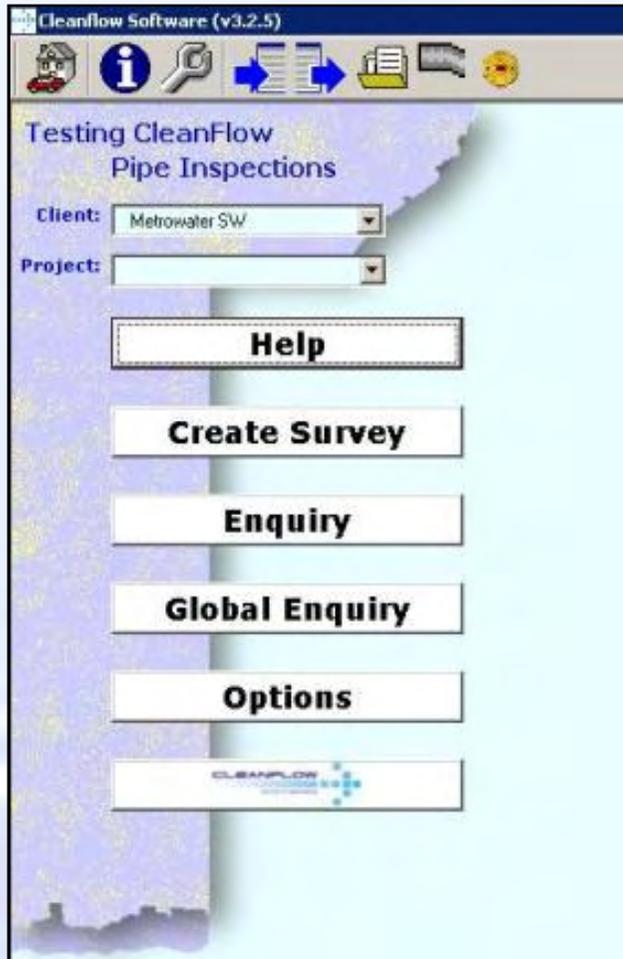## CleanFlow V3

ClearLine Profiler

CleanFlow V3

- CleanFlow Data Flow
- Homepage
- Enquiry
- Embedded GIS
- Intelligent Sketch Control
- Project Creation
- Pipe Data Entry
- Manhole Data Entry

- Asset Change Planning
- Import/Export
- Audit
- Rehabilitation Plan
- Scoring
- DVD File Attachment
- Reporting

CleanFlow Data Flow
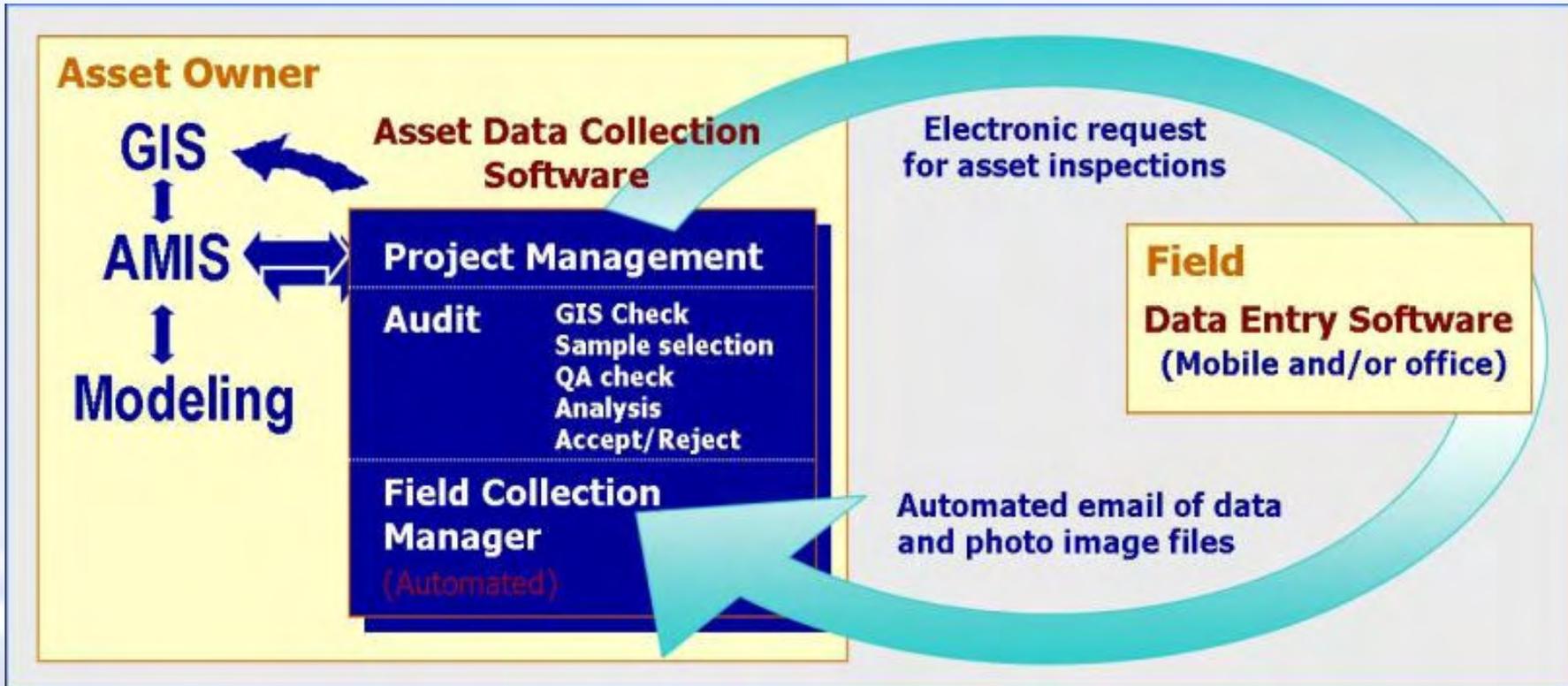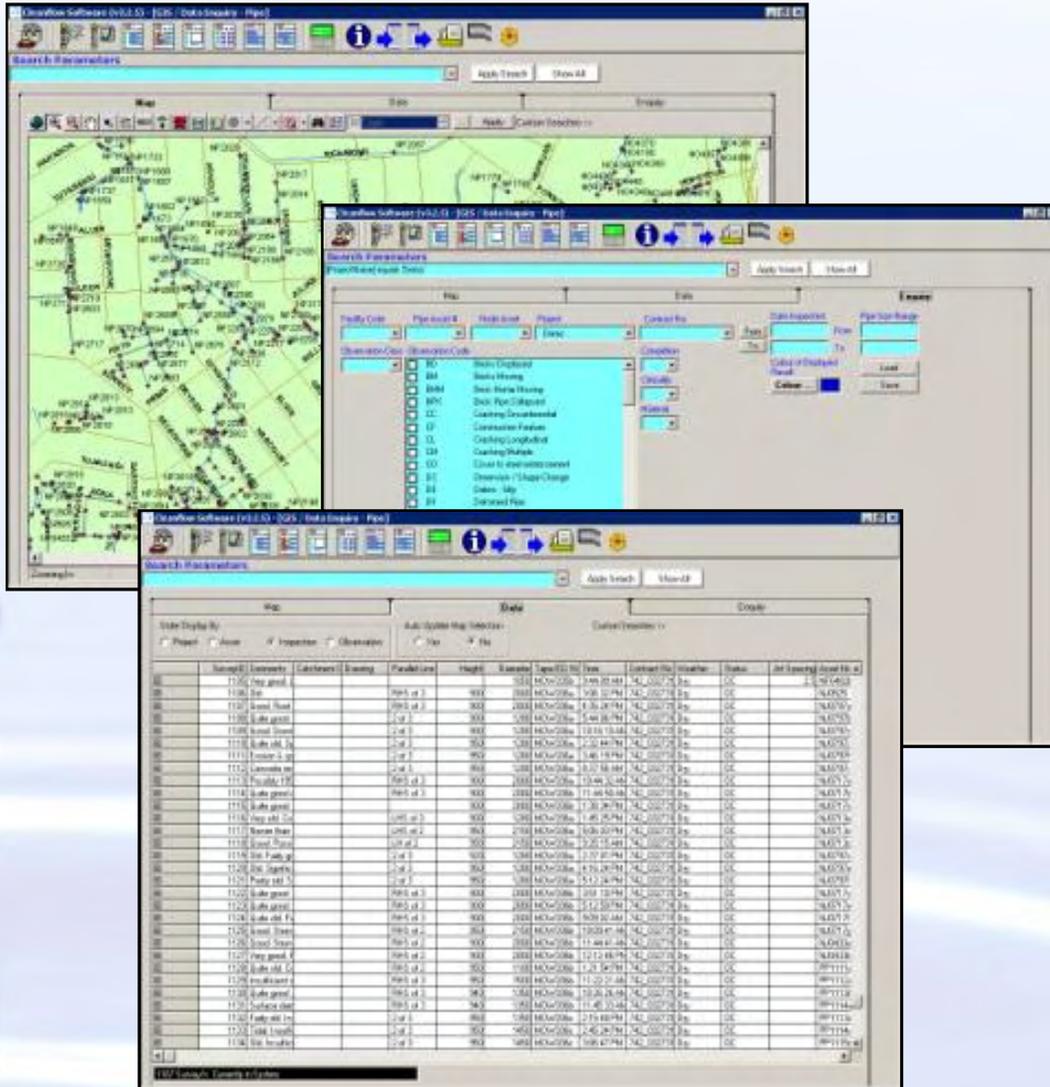
Homepage

Starting point for the CleanFlow application

Select pipes or manholes to view/audit

Create new surveys

Import/export projects

Alter CleanFlow settings and create new clients

Enquiry

- GIS map embedded
- Search tool for auditing of records
- Full list of records includes:
  - Assets
  - Projects
  - Inspections
  - Observations

Embedded GIS
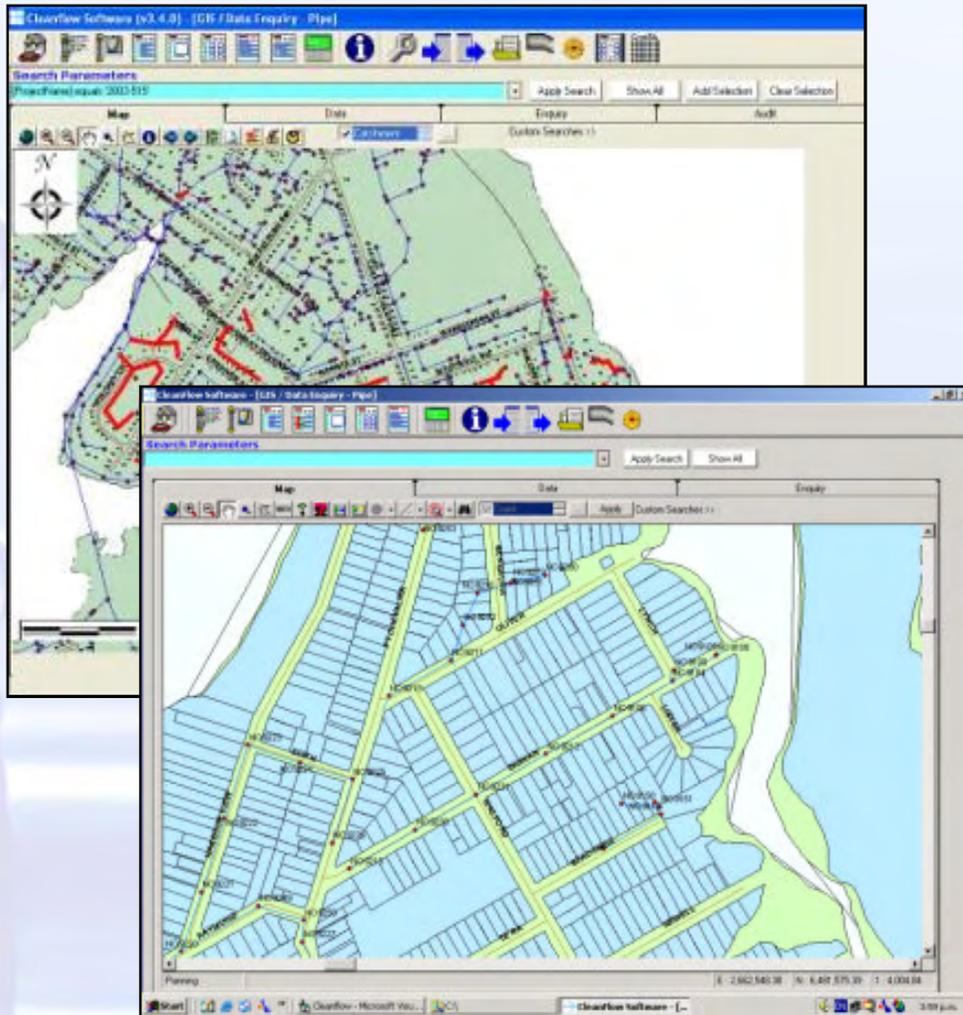
CleanFlow has GIS mapping embedded – it has been designed for managing and reviewing CCTV and Manhole inspections as well as network condition analysis.

Example - Embedded GIS Use

- Enquire on a project using one colour
- Using a different colour, enquire on inspections complete within the project
- Choose another colour and enquire on the uncomplete inspections
- Shows a complete map of the project status

Intelligent Sketch Control
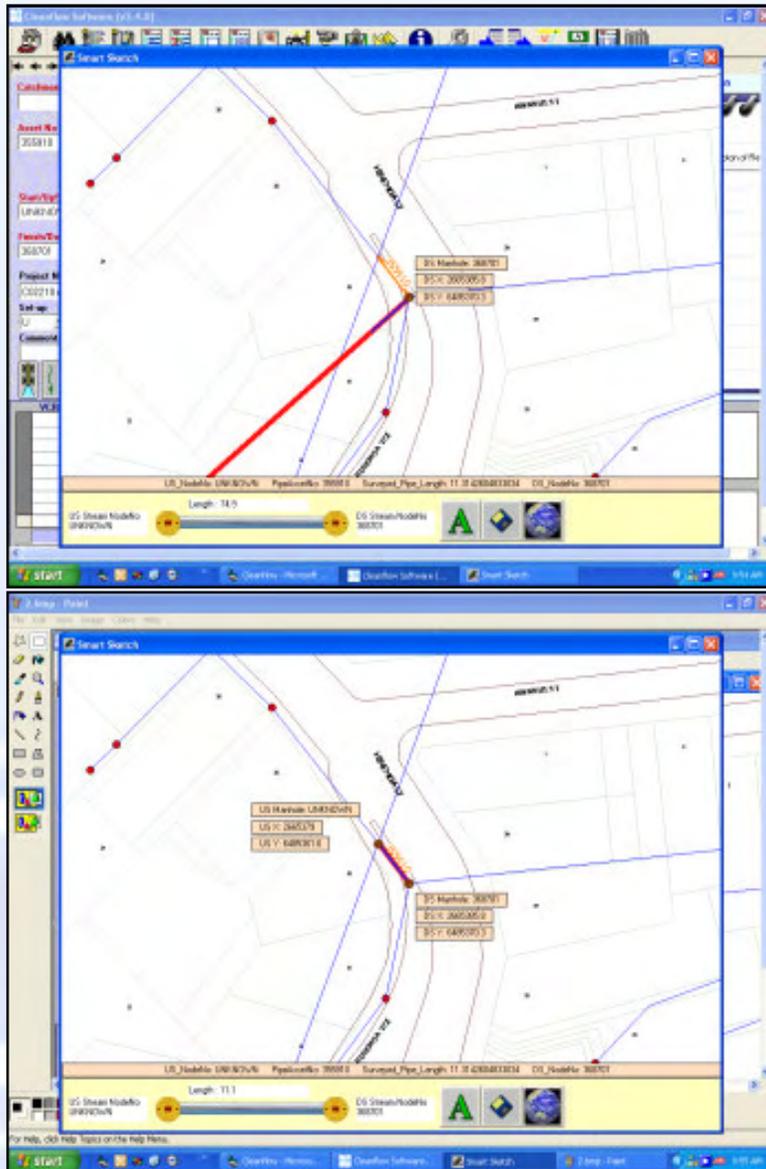
- Field operators enter new asset information
- Snaps to actual position on the map
- Gives real co-ordinates / length
- Exports change GIS layer
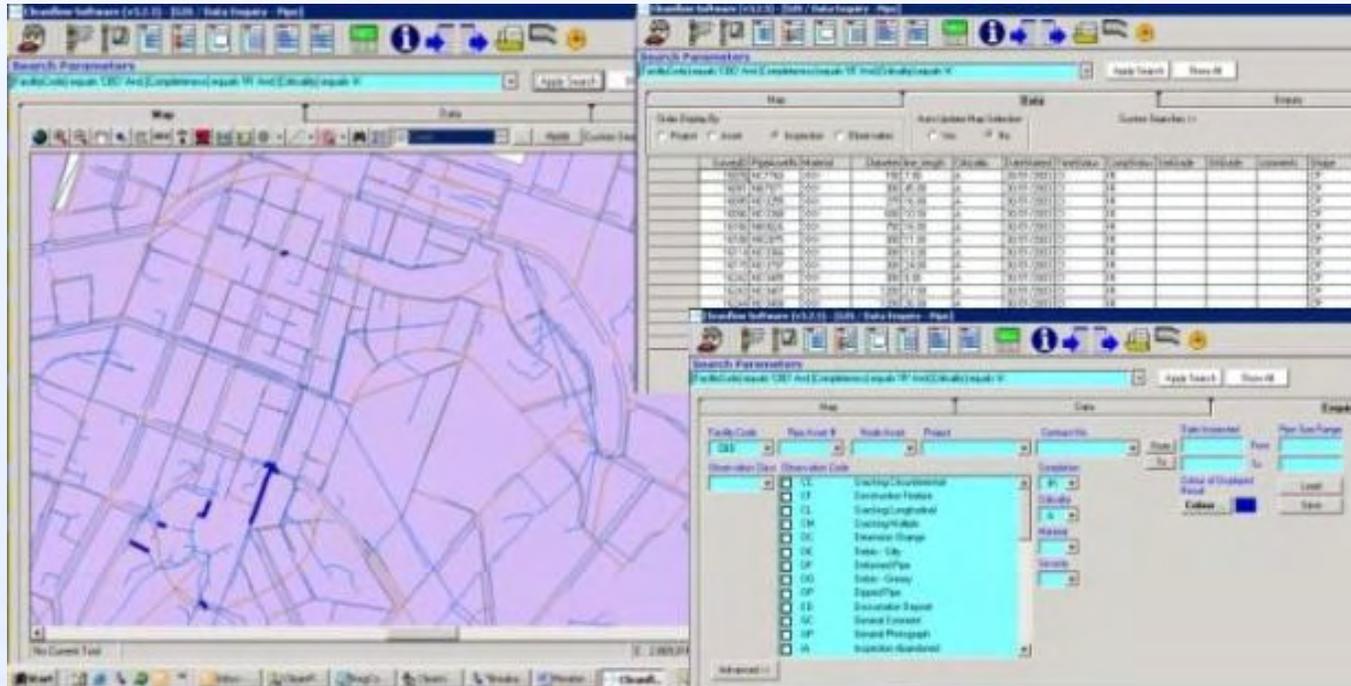
As simple as 'Enquire', 'Select', 'Create'.....

....and email to contractor.

Asset Change Planning

- New module of CleanFlow
- Records asset changes when data is imported from the field
- Sends asset changes to the GIS department
- Receives updated assets from GIS department
- Updates assets within CleanFlow
- Keeps history of asset changes
- Distributes changes back to field operators

Pipe Data Entry

- Header entry
- Observation entry
- Rehabilitation planning
- Observation images
- Reports
- Video clip attachment
- DVD file attachment to observation lines
- Scoring of observations
- All boxes easily maintained by users

Manhole Data Entry

- Header entry
- Observation entry
- Graphical representation of manhole and inlets/outlets
- Image attachment for observations
- Image/observation reports
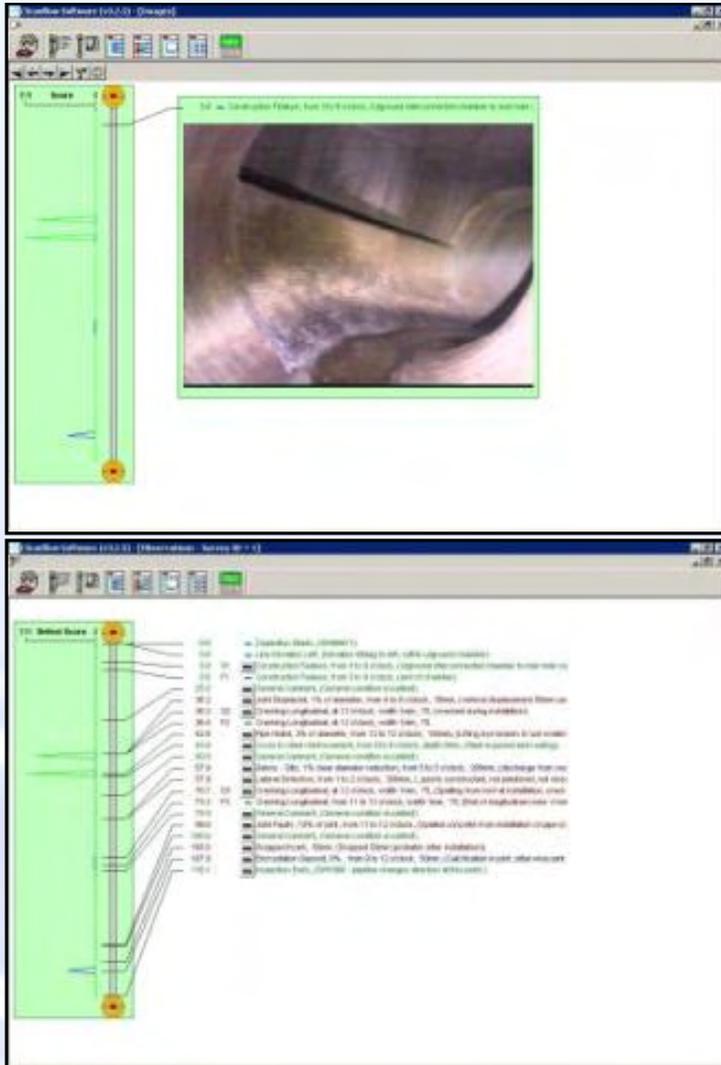
- Slide show preview of all pipe images
- Graphical view of all observations along the pipe
- Useful auditing tool

Import / Export
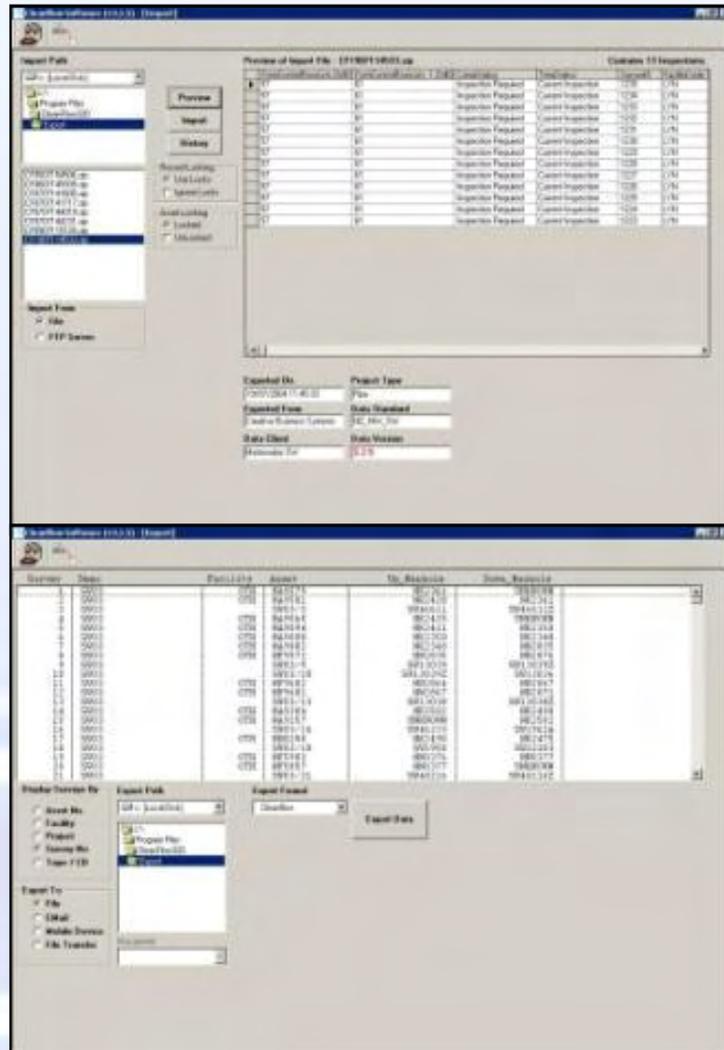
- CleanFlow's Import/Export has come from 15 years experience in systems interfacing. Unique to CleanFlow, all inspections, projects, pipe and node assets are given unique numbers. This means information can be sent to/from councils, consultants, contractors/sub-contractors without the fear of losing or duplicating data
- View history of data imported
- Export to file, to email, or via FTP transfer
- Detailed Import/Export log produced

- Another world first!
- Highlights difference between GIS data and field data
- Locks audited inspection
- Registered auditors only
- Manhole and Pipe audit

Rehabilitation Planning

- Future inspection headers created from inbuilt rehabilitation plan

- Rehabilitation project built based on plan

- Notes for rehabilitation contractor included

Scoring

- Two methods of scoring:
  – Calculated
  – Binary
- Calculated gives the Structural and Service Grades
- Binary shows the number of defects at a glance

DVD File Attachment

- Attach points of interest in the video to the observation lines – a future click on the observation line will display the video at that point!

Hansen Export

CleanFlow exports data in the Hansen format ready for running through the Hansen Interchange.

CleanFlow Reporting
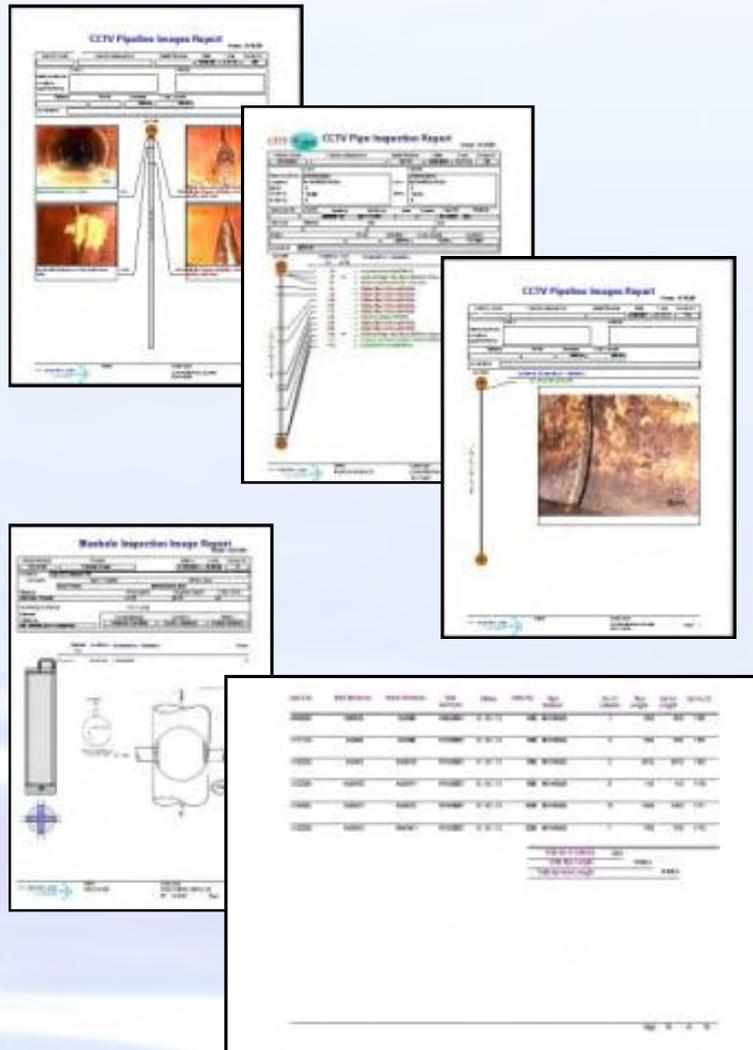
- Multiple image reports
- Single image reports
- Scoring reports
- Observation reports
- Manhole reports
- Summary reports
- And more………..

Profiler

103.3mm 31.3%

- CleanFlow Systems product
- Precision laser image processing
- Pipe interior measurements accurate to 1mm
- Pipeline ovality, corrosion deformation, pre and post relining, measurement built-in

Contact CleanFlow
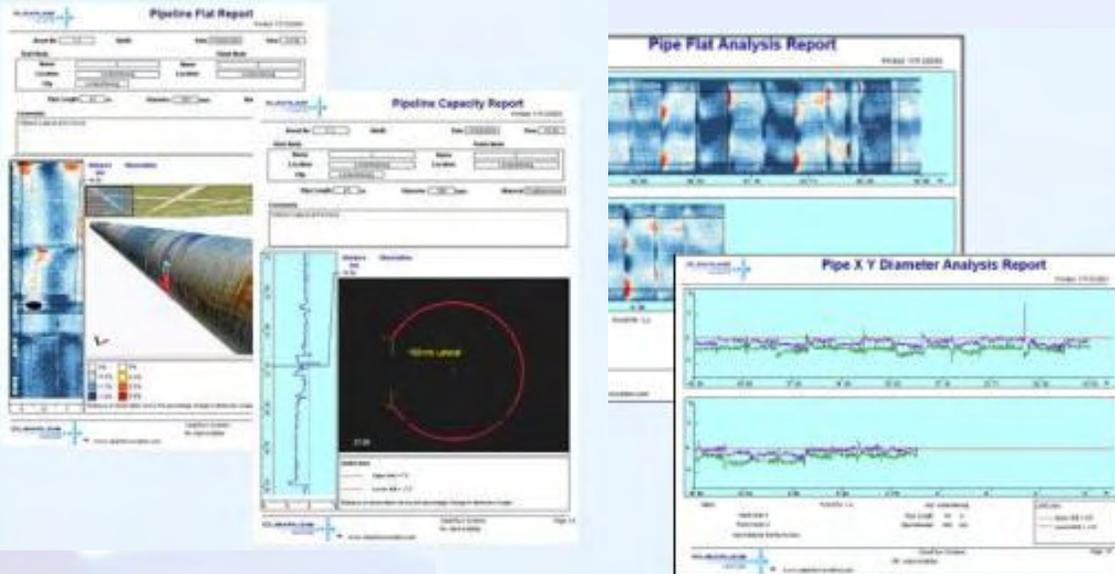
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