

Air Water Jetting LW 87

Customer Assessment



Project “Non - invasive pipeline cleaning”

Execution and results



There is a pipeline cleaning technology that uses a mixture of compressed air and water to remove incrustations in the networks.

Coronel

There has been not much care about the structures since the year 2000.

Inexpensive procedure considering the large extension of the network to intervene.

Wells

High concentrations of Mn and Fe.

Pipelines

High encrustation of Biofilm and deposit of Fe and Mn oxides.

The method delivers high efficiency and performance in removing incrustations from pipelines.

Customers

In the past three years complaints of customers increased.

Cleaning method for main pipelines (DN 250-600).

Coronel's Integral Quality Plan

Analyzing whole process diagnosing, proposing and implementing solutions.



Cleaning method “Air Water Jetting LW 87”



Cleaning method Air Water Jetting LW 87

Without further intervention on public roads

High performance (diameter / length / time)

Less water consumption compared to known methods

Method to clean incrustations in cast iron

Operation with a small number of employees

Very low maintenance cost of the equipment

Use of this advanced technology in Latin America enhances the corporate image

Built-in software allows documentation of all interventions and review of data base.



Results

VAN	TIR	PAYBACK
194 MM\$	50%	< 2 years

Effectiveness	Clean Type
★★★★★	MTA Air Water Jetting LW 87 ✓
★★★	Coronel-Jet-System
★★	Ice Pigging
★	Gravitation

Cost (\$/ mt.)	Clean Type
1 coin	Gravitation
2 coins	MTA Air Water Jetting LW 87 ✓
3 coins	Coronel-Jet-System
4 coins	Ice Pigging

	August	September	Total to date
Km. cleaned	7,8	4,3	12,1
Savings \$	\$ 16.292.476	\$ 8.964.374	\$ 25.256.850



Other benefits

Preventive scheme of pipe cleaning

Selected locations of high priority

LOCALIDAD	EMPRESA	Puntaje RIESGO	ML_RED
CONSTITUCIÓN	NUEVOSUR	2,48	106.858
CORONEL	ESSBIO	2,42	298.980
ÑIPAS	ESSBIO	2,36	18.546
LICANTÉN	NUEVOSUR	2,34	19.641
MONTE AGUILA	ESSBIO	2,34	28.928
FLORIDA	ESSBIO	2,34	21.383
YUMBEL	ESSBIO	2,34	54.348
LOTA	ESSBIO	2,29	181.028
PELLUHUE	NUEVOSUR	2,26	33.169
RANCAGUA	ESSBIO	2,24	733.598
ARAUCO	ESSBIO	2,17	65.159
COELEMU	ESSBIO	2,15	30.107
LAJA	ESSBIO	2,15	57.768
HUALQUI	ESSBIO	2,15	54.600
TUCAPEL	ESSBIO	2,14	18.246
CAUQUENES	NUEVOSUR	2,09	148.099
DICHATO	ESSBIO	2,09	45.687
CABRERO	ESSBIO	2,09	49.005
CHANCO	NUEVOSUR	2,07	21.045
ILOCA	NUEVOSUR	2,03	21.435
MACHALI	ESSBIO	1,93	230.402
QUILLON	ESSBIO	1,90	43.930
CUREPTO	NUEVOSUR	1,89	18.713
Total general		2,19	2.300.674

High impact on safety by reducing the excavation on public streets as the entrance and exit is through valves.
SECURITY

Air Water Jetting LW 87 has proved to be the most effective for the plan to clean the network.
COSTS

Possibility to sell services to industries that use pipelines to transport fluids.
OTHER BUSINESS

The same concept has wide application in other processes of water management.
OPTIMIZATION

Enhancing the corporate image to our customers.
IMAGE

23 LOCATIONS WITH HIGH PRIORITY!
Affordable to intervene WITH Air Water Jetting LW 87





Proyecto “Limpieza no invasiva de Redes”

Ejecución y resultados

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