SLUICE GATE

Dropsa Spa
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A lubrication system for a sluice gate

The Environment Agency in the UK approached DropsA asking for assistance in developing a lubrication system for a sluice gate.

A sluice gate is a barrier which opens and closes. Its main purpose is to control water levels and flow rates in rivers and canals.

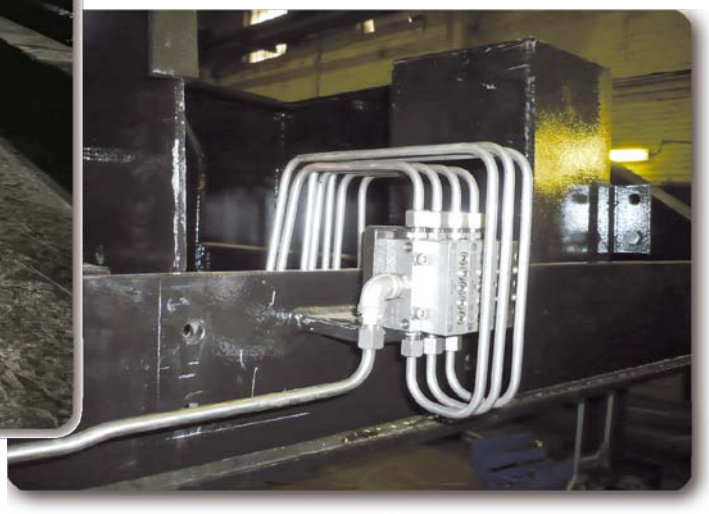
After the success in the UK similar systems were sold in France and Germany.

The problem for the environment agency was that the sluice gates needed to be serviced at regular intervals. The lubrication system would remove the need for regular service visits and associated costs for the Environment Agency to send engineers to remote locations.

A lubrication system for a sluice gate is quite complex for several reasons.

1. Parts of the lubrication system may be in contact in water.
2. The lubricating points on the sluice gate are dynamic and not static.

This means that the DropsA design engineer should choose parts of the system in stainless steel and carefully consider hoses or retractable hose reels for the moving parts.



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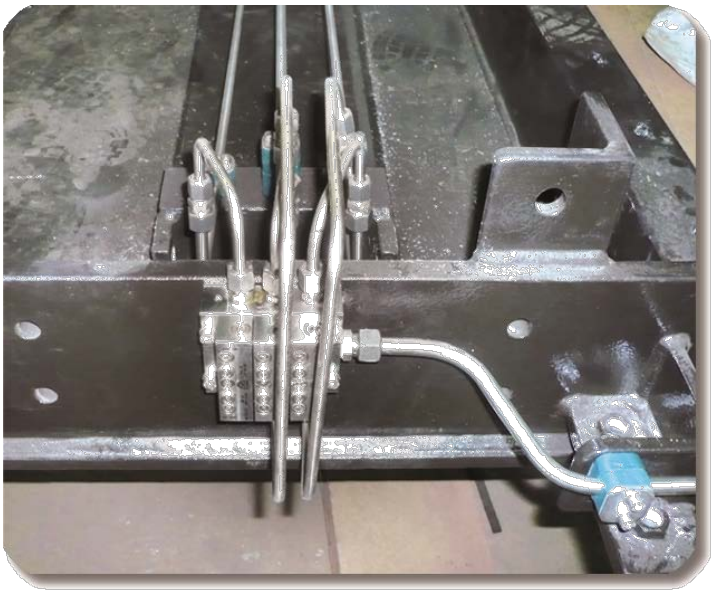
Benefits achieved

DropsA proposed:

- **Mini-Sumo** mounted at the top on river bank
- **Stainless Steel 316 progressive blocks** with **Ultrasensor**
- **Vip5**
- **Stainless Steel pipes** and **hose reels**



Mini Sumo
Ideal for those applications that use Series 26 , progressive system and 02 Dual Line System. designed to feed oil and grease lubrication.

Smx (Stainless Steel)
The nickel plating adopted by Dropsa is up to 70 times more resistant to corrosion in the field than the previous zinc plating lubrication.

VIP5
A feature packed compact Advanced Lubrication Controller for small and medium lubrication systems