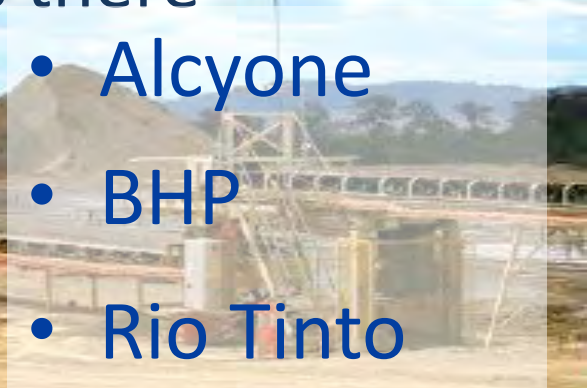
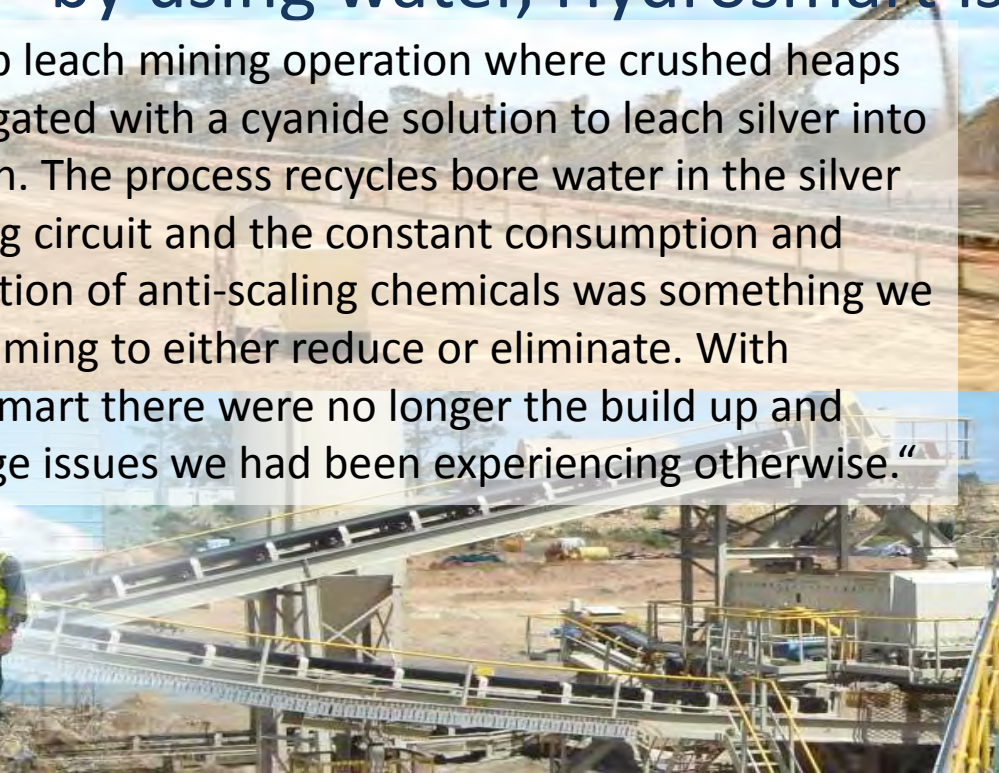
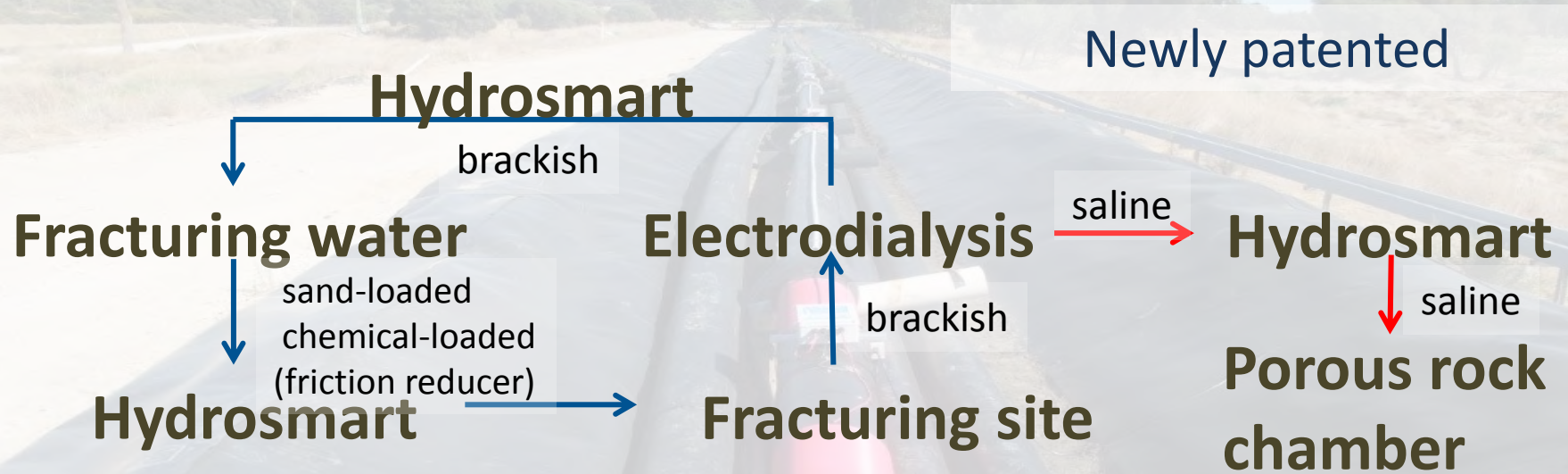


Wherever you need to dissolve minerals  
by using water, Hydrosmart is there

“A heap leach mining operation where crushed heaps are irrigated with a cyanide solution to leach silver into solution. The process recycles bore water in the silver leaching circuit and the constant consumption and application of anti-scaling chemicals was something we were aiming to either reduce or eliminate. With Hydrosmart there were no longer the build up and blockage issues we had been experiencing otherwise.”

- Alcyone
- BHP
- Rio Tinto
- Xstrata
- CBH Res
- Newco





Newly patented

HydroSMART reduces friction and enables water to penetrate ground layers

## Treatment of produced formation water

### Analysis ppm

Sulphate	98,000
Ca bicarb	24,000
Mn	18,000
Other M+	8,000
<u>Na</u>	<u>6,000</u>
Total	150,000



**Newco - NT**  
(Crocodile Gold)

Hydrosmart  
Installation

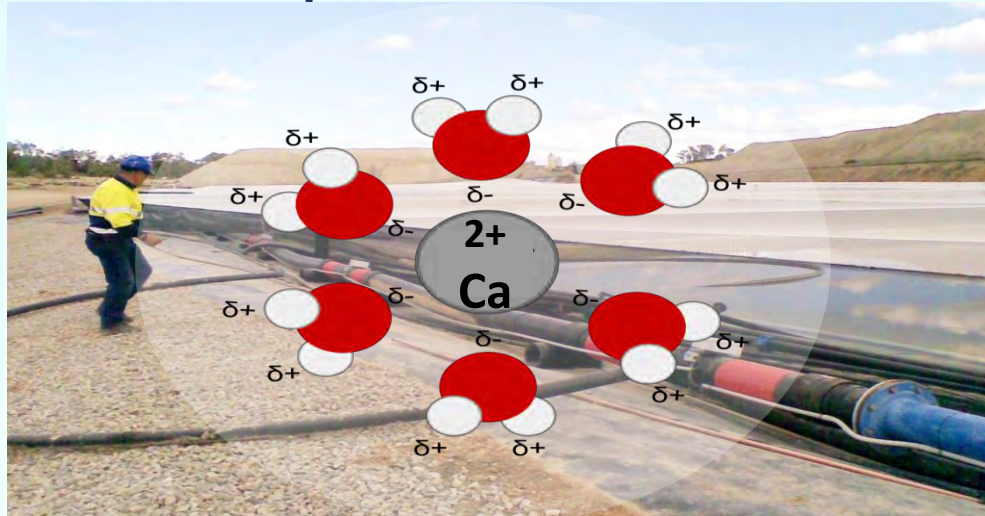
“It not only prevented any additional build-up of scale but actually removed the existing scale such that the pipe is now back to a bare black poly pipe”

- Chris Dunkerton Crocodile Gold

## Treatment of produced formation water

### Analysis ppm

Sulphate	98,000
Ca bicarb	24,000
Mn	18,000
Other M+	8,000
Na	6,000
<b>Total</b>	<b>150,000</b>



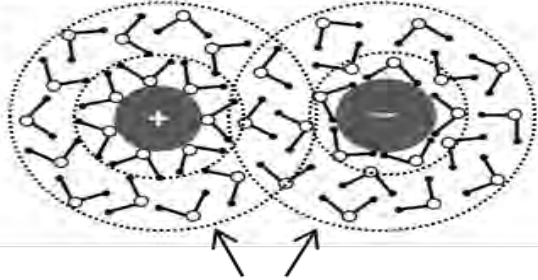
**Newco - NT**  
(Crocodile Gold)

Hydrosmart  
Installation

## Hydrosmart dissolves.

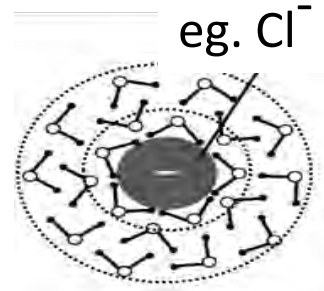
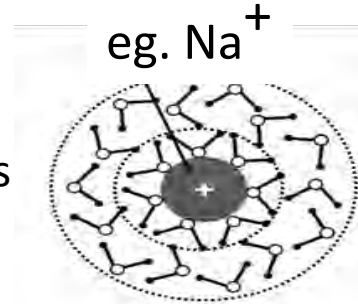
Electric fields act on mineral charges

Fields agitate the dissolved salts and minerals



Hydration "shells" overlap in untreated state

**Before**



**After**

ions (salts & minerals) remain separated for hours to days

Beneficial downstream effects are due to this separation

## CleanTech Water Solutions That Don't Cost The Earth



Any Diameter  
Any volume/flow  
rate

No pressure drop  
Cost far lower than filtration



Every unit has  
low power usage  
< 10W

Low running cost  
Product choice of engineers

