

# OPTIMISATION OF THE LONGEVITY OF LAUNCH SITE INFRASTRUCTURE

*Water treatment method to minimise acid emissions during rocket launches*

## Technological benefits

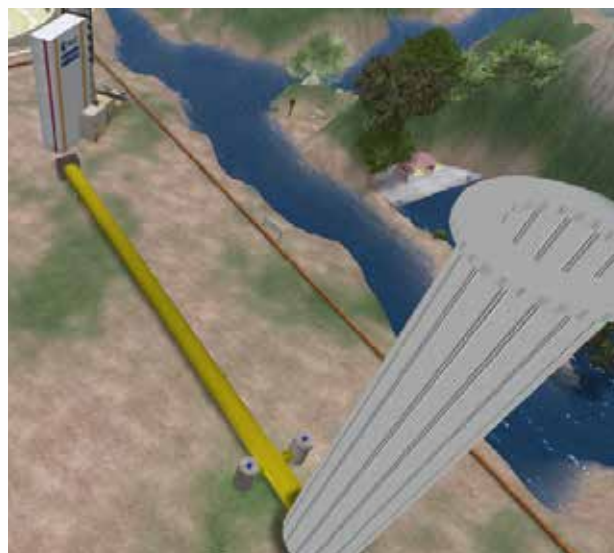
### A simple, effective concept

A simple method simple to implement: pre-mixture and synchronised injection of a basic solution into the deluge system

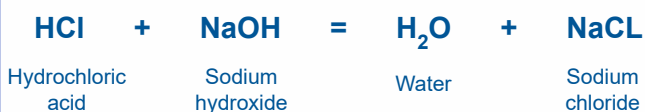
Infrastructure maximised

Rapid effects

### Increased equipment reliability



## Invention overview



Pre-treatment of deluge system water with sodium hydroxide (base) to better balance HCl emissions (acid): better longevity of teams and infrastructure.

## Commercial benefits

Reduced maintenance costs

Minimised environmental impact

Longevity of infrastructure

## Potential applications

Solid propellant launch vehicles

Areas using propellant

Launch site infrastructure

