Software platform for evaluation of engineering and architecture design of CBRN defence systems

PELICAN
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The PELICAN system technology developed by Thales within the framework of a contract with the DGA, is a software tool for modelling, simulating, evaluating and optimising:

• Future CBRN capabilities, architectures, equipment and performance (virtual environment)
• All or part of an actual CBRN defence system (current or future)

PELICAN provides architects with the support they need to:
• Meet design and specification requirements
• Determine the direction of R&T efforts from the upstream phases of procurement programmes
• Optimise design and ensure consistency across all parts of a CBRN defence system

INNOVATIONS AND BENEFITS
The PELICAN software platform simulates the dispersal and the impact of a biological or chemical agent and the best possible chain of alert.

The objective is to keep forces protected and maintain the most effective operational capability.

This innovative tool offers operational benefits and enhanced performance:
• Operational: optimised operational deployments or adaptation of deployment doctrines
• Performance: optimised design of all or part of the CBRN

USE CASES
Military & Civilian:
Simulation capability for evaluation of CBRN defence architectures.