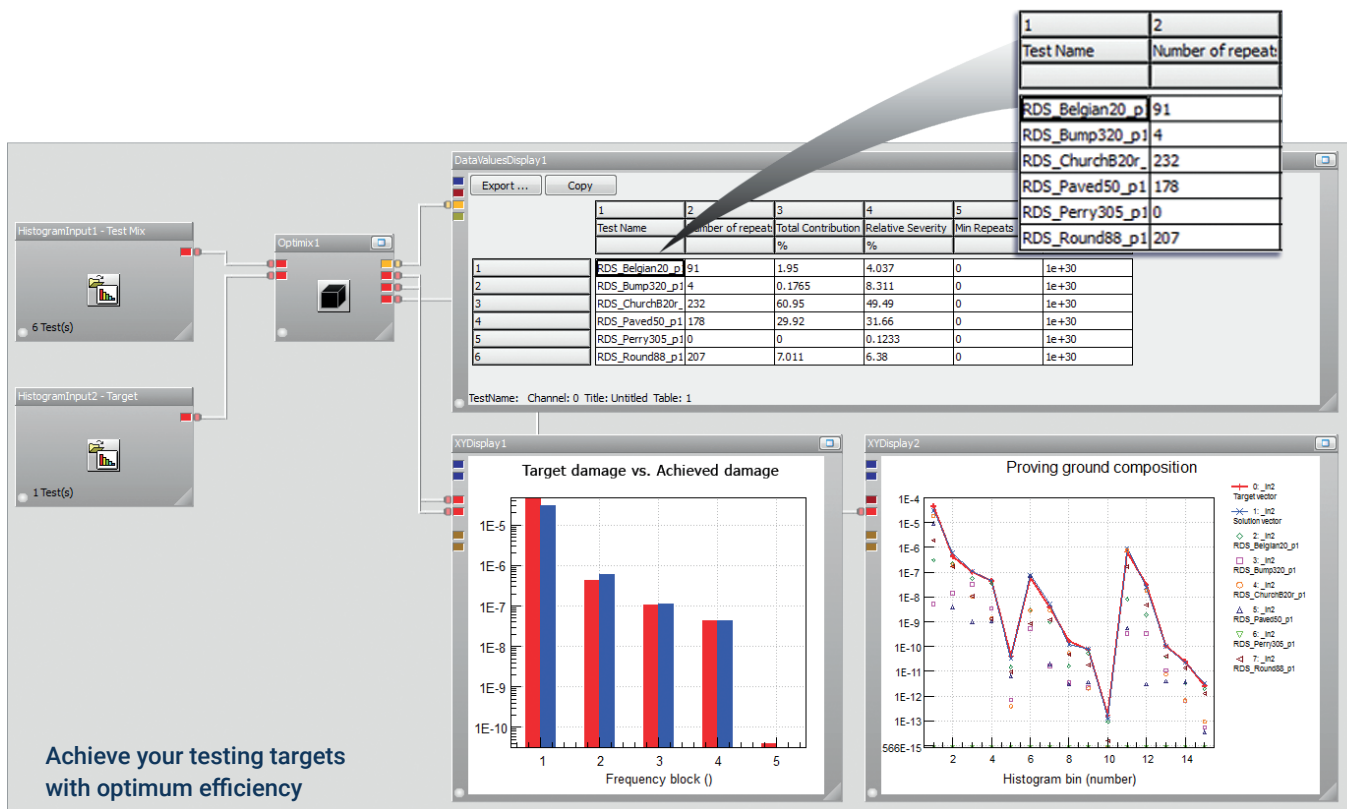


GLYPHWORKS

# Optimised Testing

Optimised Testing is a specialised product option within nCode GlyphWorks that provides the ability to determine the optimum, most efficient mix of proving ground surfaces required to match an overall target. Optimised Testing provides a proven approach to find the best mix across all channel locations.



## KEY BENEFITS

- Significantly reduce proving ground track usage
- Optimise testing schedules and reduce testing time
- Understand how real world usage compares to track data
- Rapidly compare different proving grounds or duty cycles
- Explore what-if trade-offs with the application of different constraints or removal of complete events

## KEY FEATURES

- Optimise the number of repeats of each event to match a target result across many data channels simultaneously
- Flexible inputs such as rainflow cycle count histograms or relative damage values cater for wide range of applications
- Optimisation methods for best fit least-squares regression and constrained minimisation routines using robust algorithms from libraries such as NLOpt