

BowTieXL

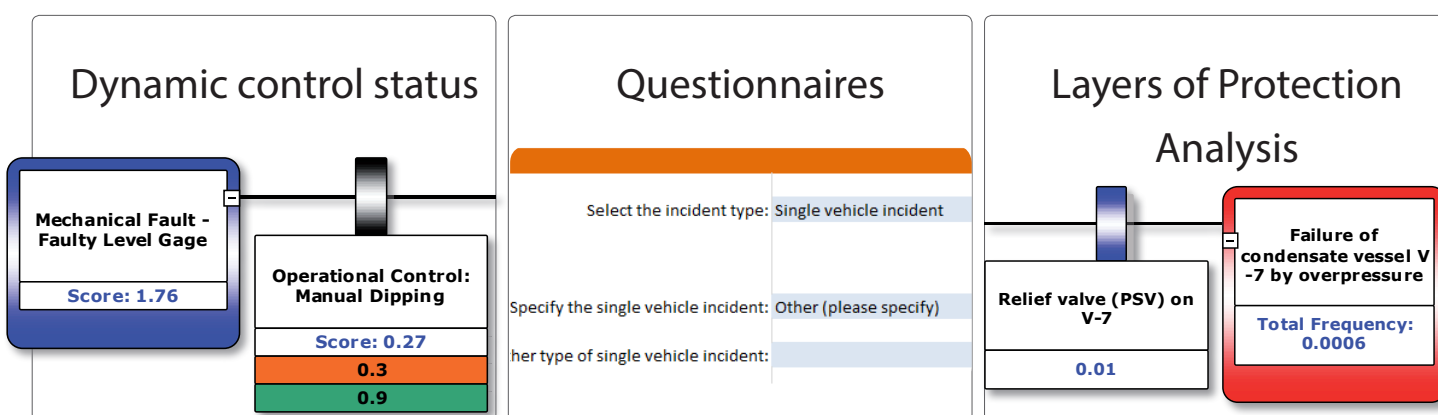
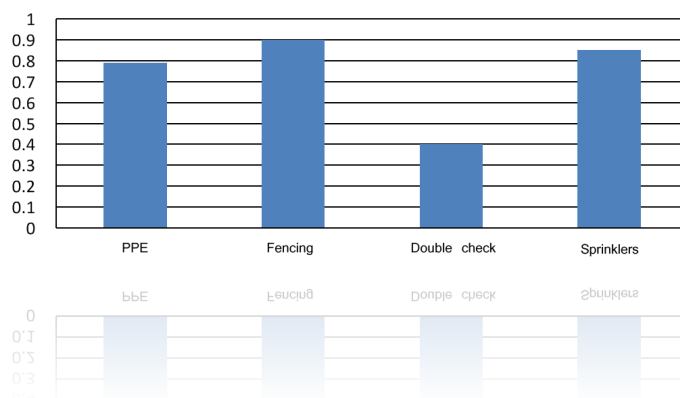
Quantify your BowTie

Bringing together quantitative and qualitative risk analysis.

Creating possibilities

BowTieXL is a platform that allows you to create your own ideas and methods of analysing risks. Using Microsoft Excel-compatible spreadsheets, this unique software has broken all the rules, giving you the freedom and flexibility to build and manipulate data in BowTie diagrams almost as freely as Excel will allow. Initially developed as a tool to allow quantification of BowTies, the capabilities of BowTieXL has surprised even its developers; early adopters have already used BowTieXL to create actual risk pictures, map multiple incidents and audits, link a hazard register, simply add or modify data fields and of course find a host of ways to quantify the BowTie.

Control Effectiveness



RPS Australia Asia Pacific

Email: bowtiexp@bowtiexp.com.au

BRISBANE

743 Ann Street Brisbane,
Fortitude Valley, QLD 4006
Phone: +61 7 3237 8899

PERTH

38 Station Street, Subiaco, WA 6008
Phone: +61 8 9211 111

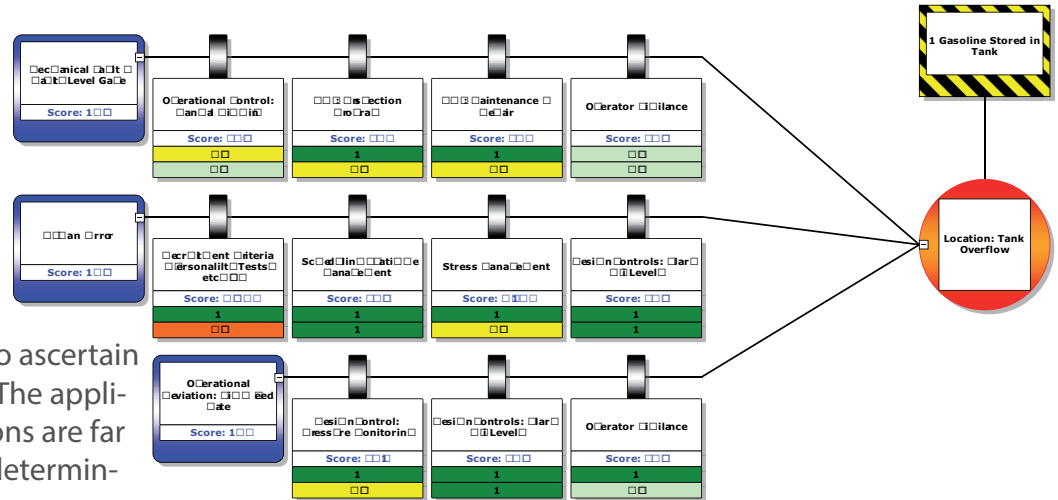
MALAYSIA

Unit 5a, Level 5 Manara Chan
138 Jalan Ampang, Kuala Lumpur,
Malaysia 50450
Phone: +60 3 2732 8272

Scoring controls

Calculating aggregated effectiveness of controls

The effectiveness rating of a control used to be a stand-alone value, with no real way to combine the effectiveness of multiple controls. Now, BowTieXL makes it possible to aggregate values across multiple controls to ascertain the overall effectiveness. The applications for such calculations are far reaching, for instance in determining your ALARP level.



Questionnaires

Updating control status with data from questionnaires

One thing that BowTieXL can be useful for is building questionnaires that link to BowTies, such as questions relating to an incident. Such a questionnaire is filled in after an incident has occurred, to enable a quick assessment of which controls failed. This can be easily viewed in a BowTie to provide context.

Another type of questionnaire is that used in audits. Answers that are provided during an audit will update controls and adjust the effectiveness based on what has been found in the field.



Road Safety Incident Questionnaire

Incident description:

Incident date:

Select the incident type:

Specify the single vehicle incident:

Specify the other type of single vehicle incident:

Specify the vehicle and non-vehicle collision:

Specify the other type of vehicle and non-vehicle collision:

Driver occupant

Select the number of vehicles involved in the incident (motor vehicles, motorcycles and bicycles):

Driver (vehicle)

Select from which type of vehicle you want to fill in the driver (and occupant) specifications:

Hazard register

Complete your hazard register by importing it into BowTieXL, thereby creating BowTies for your high potential hazards.

Dynamic Control Status

Use data from external sources to make live updates on the effectiveness of controls.

Auditing intelligently

After completing your audit in BowTieXL, review the BowTie diagram to identify where weak points exist.