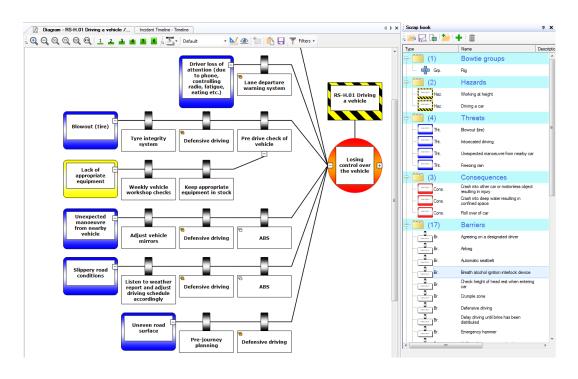


Extra Features

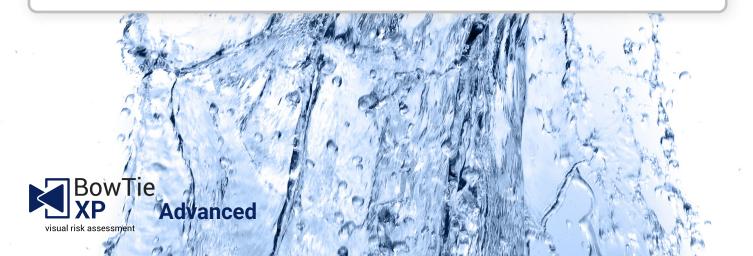
1 Scrapbook

The scrapbook allows bowtie items to be collected for quickly building or expanding a bowtie. From single barriers to complete threat lines and even hazards with all associated information. Pieces of bowtie can be dragged to quickly create a new diagram. The information is gathered from a variety of places, such as Excel or manual input. From there it can be saved into a file, separate from the case file, in order to build bowtie registers.



2 Advanced filter

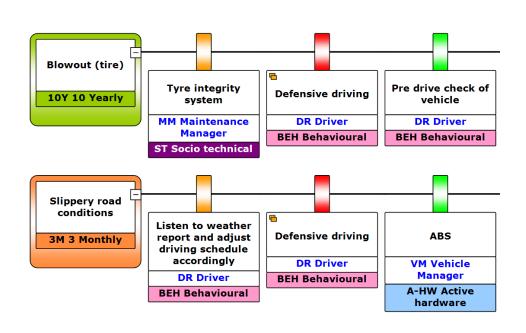
Filtering a bowtie on multiple criteria is possible with the advanced filter. So whether you would like to find out how many barriers belong to a certain job title, or to visualize only those critical improvement actions that belong to hardware barriers, it can be done using BowTieXP Advanced.

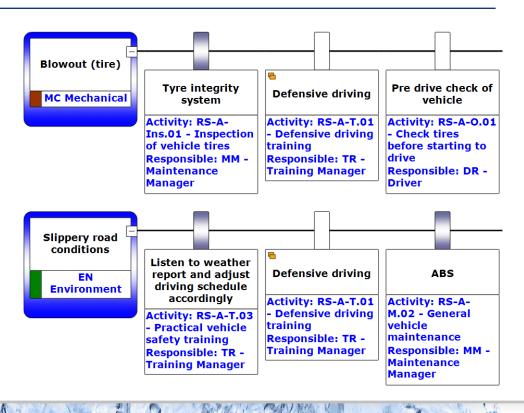




3 Diagram display profiles

Diagram display profiles can now be saved and used to quickly change the layout of the bowtie diagram.



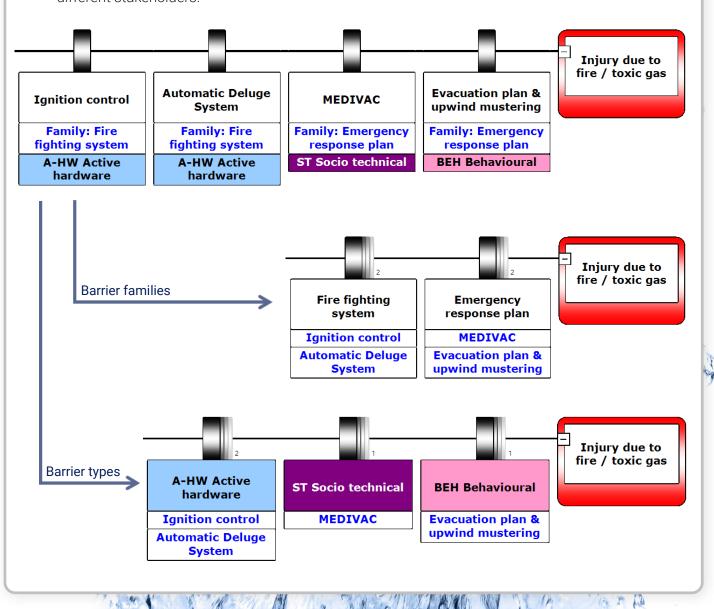


Extra Features

4 Barrier families

This feature allows you to group barriers per threat or consequence line based on their common values. Do you quickly want to see whether at least two different persons are accountable for barriers on a threat line? Or do you want to focus on the distribution of your barrier types?

This feature introduces an extra variable on your barrier: barrier families. Barrier families can be used as independent barrier name, while the 'normal' barriers can be used as more specific (not independent) barrier elements. This improves communication of bowties to different stakeholders.

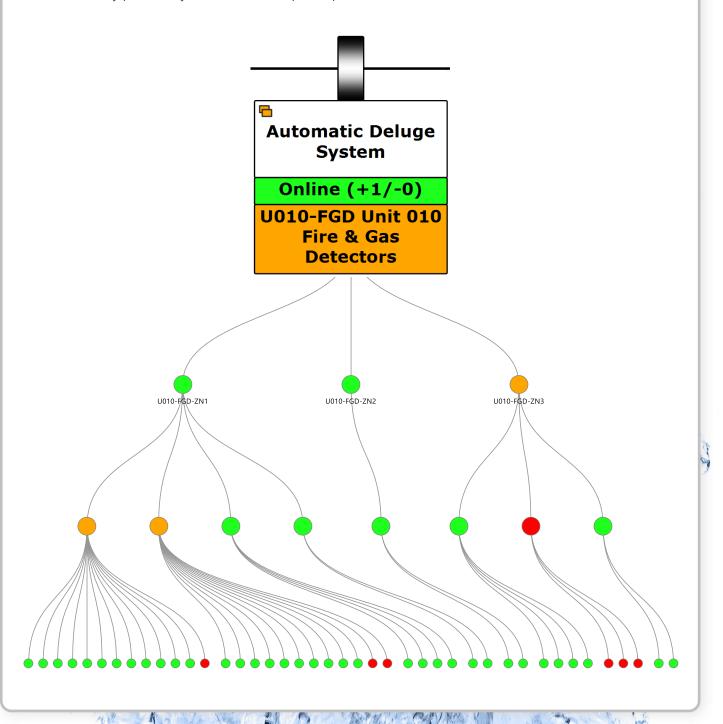






5 Link barriers to your maintenance data

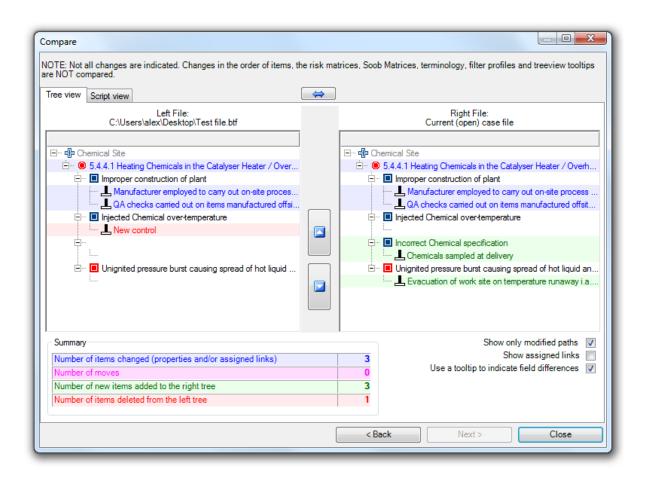
The maintenance status of your equipment / parts can now be linked to your barriers. Barriers will automatically switch from online to offline (or visa versa) when the online / offline status of the parts is changed. Via self-defined online criteria you can make decisions how many parts may be offline to keep the "parent-element" online.





6 File and tree comparison

On many occasions you want to find out what your colleague changed in the latest revision of the case file. Do you need to see what the differences are between two versions of the same case file in your document management system? Then compare the files side by side, see the differences visually or generate a report of these changes. You can do it all with the file compare function in BowTieXP Advanced.





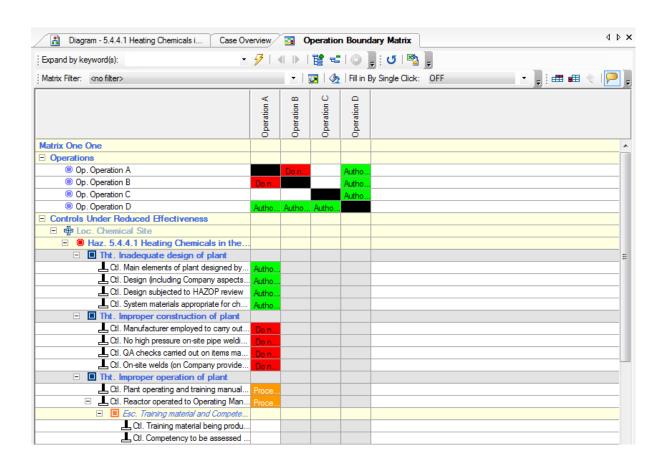


7 SOOB Matrices

The Summary of Operation Boundaries Matrix is a record of operations used to determine under which circumstances extra caution should be taken or work should no longer be allowed to proceed. This is to help the decision process of whether to proceed with operations when encountering suboptimal conditions. The matrix gives you three different overviews:

- The first tells you which operations can be performed simultaneously.
- The second tells you which operations you can perform, with a control under reduced effectiveness.
- The third provides an overview of which operations you can perform given that there are certain operational risk factors, such as heavy wind or rain.

These three views can be combined or isolated, and both give you an operational map of what you can and cannot do under certain conditions.

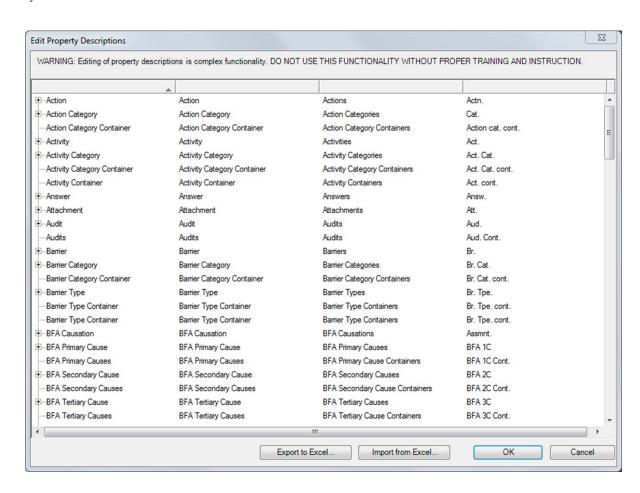






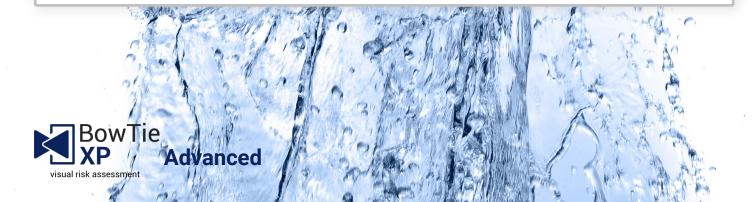
8 Custom terminology

Each case file contains a large table containing the names of all object types and their properties present within BowTieXP. This allows customers to make adjustments to terminology and allows them to tailor-fit the software to their organization. For example, you could rename controls to barriers.



9 Copy and paste between multiple files

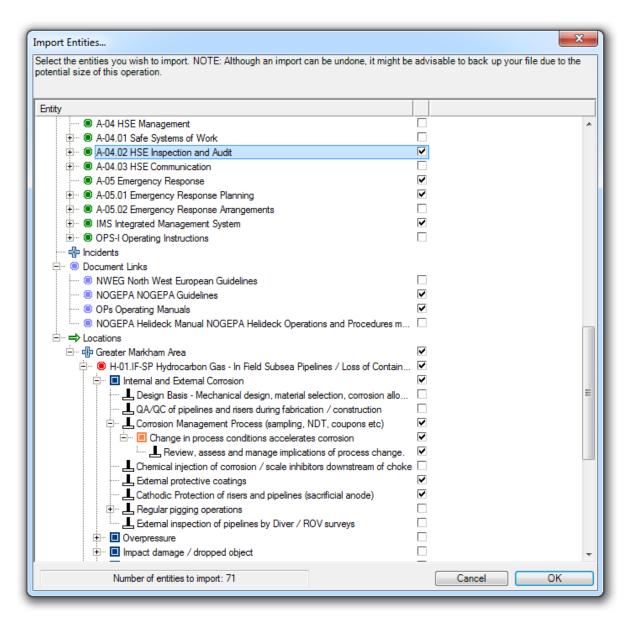
Similar to importing data from a case file, there is also another way of copying data. You can simply use copy and paste to import all kinds of entities between bowtie files.



Enhancements in editing your data

10 Full import from other BowTieXP case files

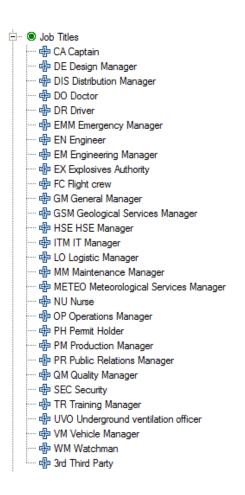
BowTieXP Standard edition is limited to importing the diagrams only, and cannot import other details such as assigned responsibilities and activities. The advanced edition allows you to import everything from a case file, including linked information such as activities on barriers and assigned responsibilities.

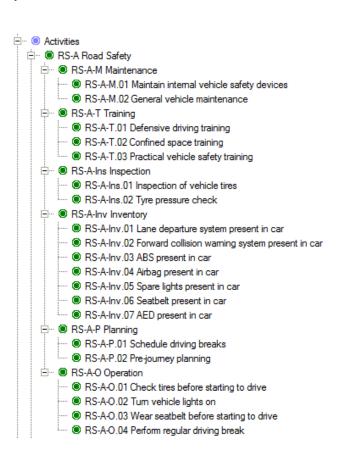




11 Import from Excel files

Having to enter your whole management system one activity at a time, can be a time consuming effort. BowTieXP Advanced allows you to import Excel sheets to be able to copy in entire lookup tables and quickly populate your case file.







Improvements to get extra insight into your case files

12 Extra Reports

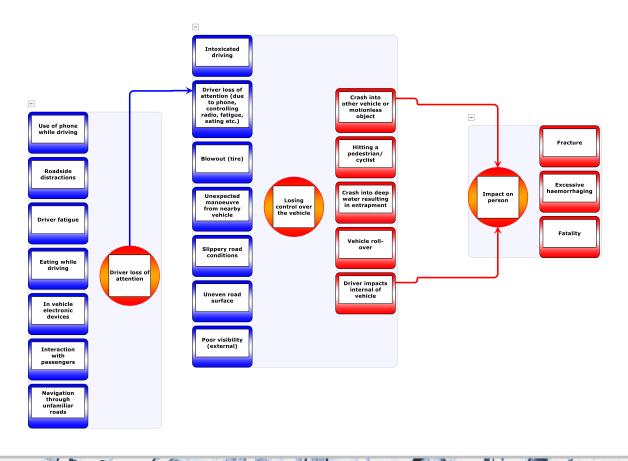
To accommodate the extra information you can input in Advanced, and to gain some more complex insights into your data, the Advanced edition has a number of extra reports: twelve extra reports:

- Activities linked to controls as hierarchical list
- Activities linked to controls as hierarchical list filtered
- Activities of a specific operation grouped by activity. Responsible (short version)
- Activities of a specific operation grouped by activity. Responsible (long version)
- Required competencies for a specific operation, grouped by activity. Responsible
- Hazard register complete
- Traditional hazard register
- Hazard register without activities
- Bowtie register report for data export
- Operations overview
- Bowtie report from template
- Systems linked to barriers

⊿	Α	В	С	D	E	F	G	Н	I I
2	Hazard	RS-H.01 Driving a vehicle							
3	Top event	Losing control over the vehicle							
4	Inherent	Residual							
5	[D4]	B4	People						
6	[D2]	D2	Assets						
7	[A0]	Α0	Environmer	it					
8	[D1]	C1	Reputation						
9	Intoxicated driving HF Human Factors								
10		Escalation Factors	0.7	D : 1		P. 6.1	e - 1		
11	Barriers &	Escalation Factors	Crit.	Barrier type	Eff.	Br. Cat.	Family	Accountable	Activities
	Periodic medical examination for professional drivers		Medium	BEH Behavioural	Good			Doctor	
12	renodic medical examine	ation for professional drivers	Critical	DEH Dellavioural	Good			Doctor	
-									
	Breath alcohol ignition interlock device		Highly Critical	A-HW Active hardware	Very Good			Engineer	RS-A-M.02 General vehicle maintenance
13				nardware				-	
	Agreeing on a designated driver		Medium Critical	BEH Behavioural	Unknown			Driver	RS-A-T.03 Practical vehicle safety training
14									
	Lane departure warning system		Medium	A-HW Active					
			Critical	hardware	Good			Engineer	RS-A-Inv.01 Lane departure system present in car
5									
		tion (due to phone, contr	olling vadio f	stigue, esting etc	`				HF Human Factors
17	Driver loss of attention (due to phone, controll Barriers & Escalation Factors								
18	Barriers &	Escalation Factors	Crit.	Barrier type	Eff.	Br. Cat.	Family	Accountable	Activities
9	Lane departure warning system		Highly Critical	A-HW Active hardware	Good			Engineer	RS-A-Inv.01 Lane departure system present in car

13 Relationship models

The relationship diagram can draw many different diagrams based in the data you have entered into your case file, visualizing the relationships between the data. For example, controls can be assigned activities, and activities have responsible persons. How do the responsible persons relate to the different hazards via the controls and activities defined? Or how



14 Case File Overview Extras

The Case File Overview has two extra perspectives:

- "Operations". The operations overview shows all operations which exist and where they are referenced.
- "Management System (activities, controls, hazard categories)". This overview shows a powerful alternate view of all defined activities, which allows you to drill down and see to which controls they are assigned, and to drill down into the controls' parents all the way up to the hazard. A cumulative overview of the hazard categories is also shown.



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