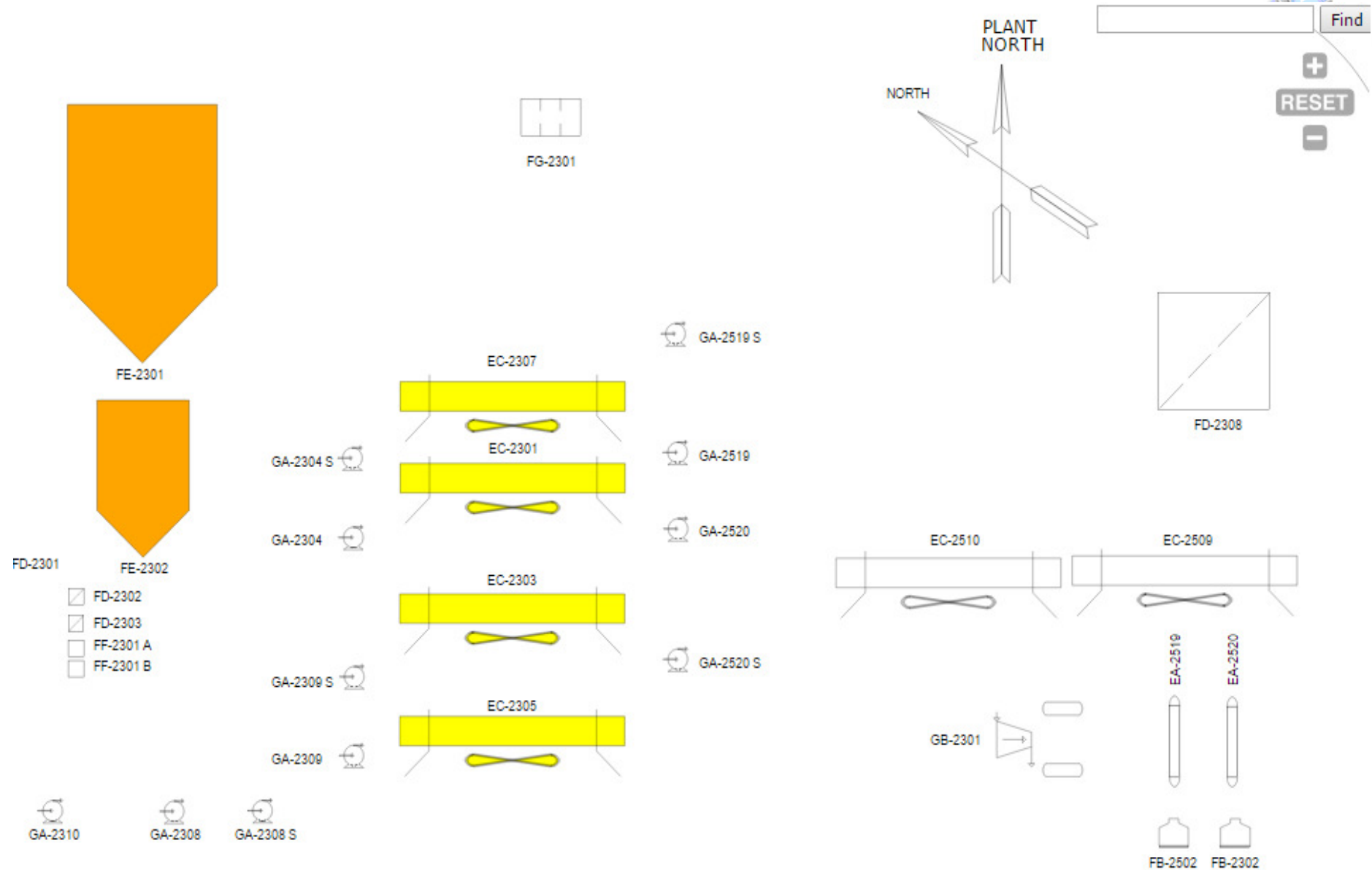
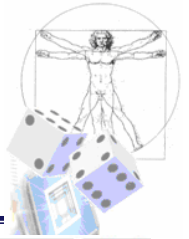
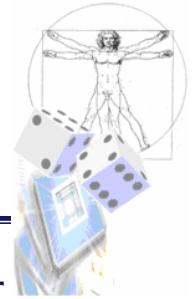


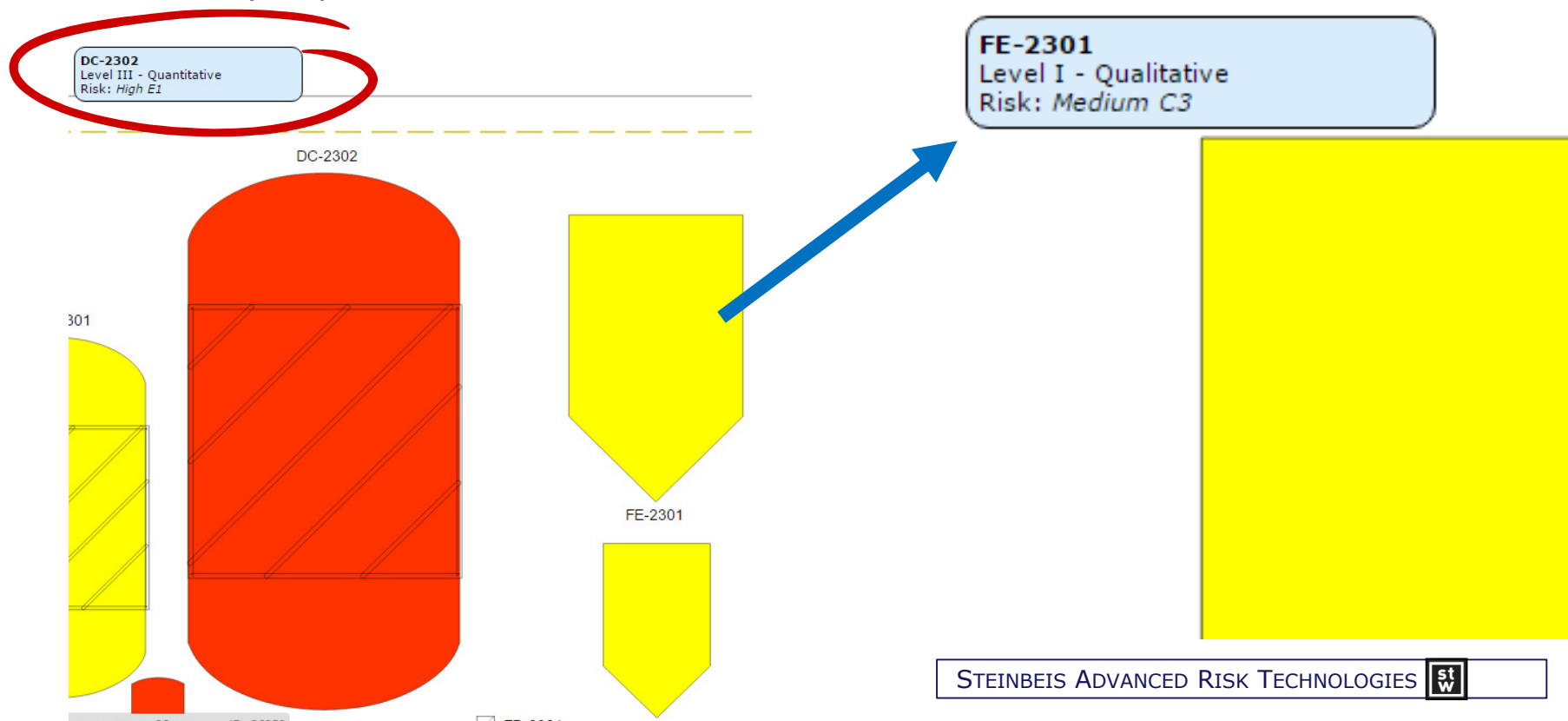
# iRiS-Petro RBI – Risk Map



# iRiS-Petro RBI – Risk Map



- Can display plant component layout and colour components according to their respective risk
- The risk (and colour) of components is updated with every parameter/input change
- Each component is identified with its designation, risk and highest level analysis performed:



# iRiS-Petro RBI Risk Map: Use Case – show analyzed component on Risk Map

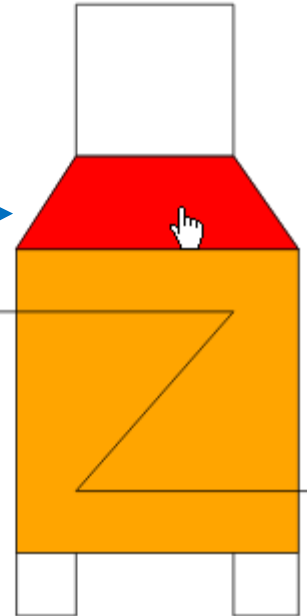


Example: BA-2301\_RZ

5					
4					
3					X
2					
1					
	A	B	C	D	E

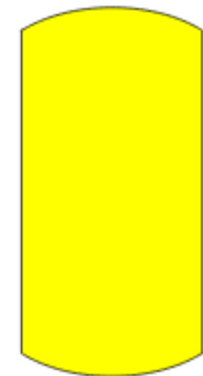
Show On Risk Map

BA-2301\_RZ  
Risk: Very High E3



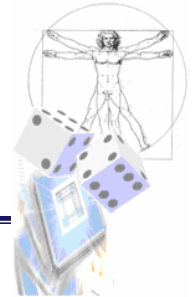
BA-2301

- Center on and show currently analyzed component in the Risk Map



FA-2308

# iRiS-Petro RBI Risk Map: Use Case – open component analysis from Risk Map



## Example: BA-2301\_RZ

**BA-2301\_RZ**  
Risk: *Very High E3*

BA-2301

Equipment Name	BA-2301_RZ
Equipment Type	Furnace - Radiant Section
Process Unit Name	S-2300
Description	Pec
Service Start	1979

Consequence Category	E
Likelihood Category	3
Risk	<b>Very High</b>
Consequence of Failure [m²]	2,182.00
Likelihood of Failure [events/year]	0.0002
Risk Area [m²/year]	0.38
Financial Risk [€/year]	115.32

RBI Top Level: **Level III - Quantitative**

5					
4					
3					X
2					
1					
	A	B	C	D	E

Show On Risk Map

Component Data
Level I Data
Probabilities
Consequences
Modification Factors
Financial Risk
Inspection History
Inspection Planning

Documents

**Basic Data**

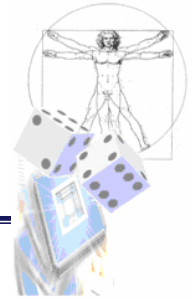
Equipment Name: BA-2301_RZ								
No.	Type	Year	Effectiveness	Intrusive	Subtype	Description	Edit	Delete
1	Thinning	2016	C	<input type="checkbox"/>	Unknown			
2	Thinning	2019	B	<input type="checkbox"/>	Unknown			

**Results**

Evaluation Year: 2015 Plan End: 2020	Evaluation Status						Plan End Without Inspections						Plan End With Inspections																																																																																																																
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External Corrosion	0	0					0	0					0	0																																																																																																															
SCC	0	0					0	0					0	0																																																																																																															
HTHA	0	0					0	0					0	0																																																																																																															
Furnace	1	1					1	1					1	1																																																																																																															
Brittle Fracture	0	0					0	0					0	0																																																																																																															
Piping Fatigue	0	0					0	0					0	0																																																																																																															
Lining	0	0					0	0					0	0																																																																																																															
Likelihood	81	3					116	4					36	3																																																																																																															
Risk	<b>Very High</b>						<b>Very High</b>						<b>Very High</b>																																																																																																																

- Open a component analysis by directly clicking on the Risk Map

# iRiS-Petro RBI Risk Map: Use Case – Search for components on the Risk Map



- Searching the component by name, centers the Risk Map on it

