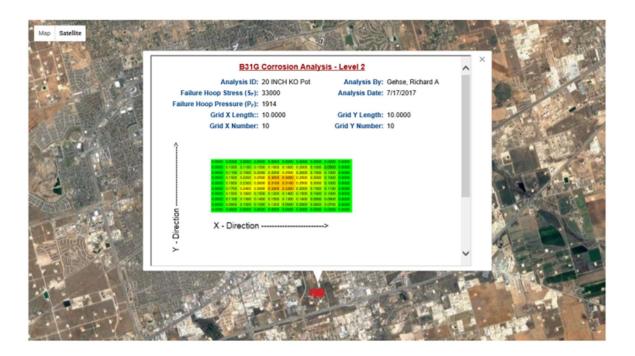


Once Upon A Time B31G Was Easy To Use



Example UI For B31G. HCI Systems, Inc.

Once upon a time ASME B31G was easy to use......

Remember the good ole days when you encountered pipe corrosion you would take a length and depth measurement and go to the B31G tables to see if you were in trouble or not? Me neither (lol).

I found in my technical library a 1991 copy of B31G and was amazed as to how we analyzed corrosion back then. We had tables and one set of equations (that gave better results). That edition also had code for a Basic program if you were so inclined. That was it.

Today, B31G has evolved (or has morphed) into a highly analytical code supplement for the B31.X series. And, along the way, has lost its ease of use. Well, HCI Software has coded-up B31G as part of our B31.X series set of Apps. Shown below is a screen shot of the Level 2 Analysis color coded for corrosion depths and calculated Failure Stress and Pressure values. One still needs to include allowable stress factors for the B31.X code you are using. This is included in the setup tab. If you prefer a Level 0 or 1 analysis, they are included too.

The screen shot above shows how this looks integrated with our Google Map interface.



ASME B31G Calculator				
B31G Calculator				
Company	ABC Company		Created By:	
Existing BS1G Analysis:			Created Date: 7/17/2017	
	Pipe Segment 1001		Analysis Status: Approved	V
	T po organization		Annlysis Level: Level 2 - Effective Area Method	~
B31G Setup Level 0 Analysis	Level 1 Analysis Level 2 Analysis	MI Links B31G Definitions		
B31G Corrosion Analysis - Level 2		1	∌ [∅]=]	
Grid X Length: 10 6000	(inches)	Crid X Number: 10		
Grid Y Length: 10 0000		Grid Y Number: 10		
Failure Hoop Stress (Syl: 23000		Pressure (Px): 985 (P3)		
7 annia monti suese (34): 23030	(PSI)	(PSI)		
	Level 2 Corrosion Grid Layout			
	Level 2 doritorion dita Layour			
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	0 0.2500 0.3000 0.3000 0.2500 0.2000 0 0.2500 0.3100 0.3100 0.2500 0.2000			
0.0000 0.1700 0.2400	0.2800 0.3300 0.3300 0.2000 0.1500	0.1100 0.0000		
	0 0.1500 0.1200 0.1600 0.1500 0.1600 0 0.1600 0.1500 0.1300 0.1400 0.0600			
	0.1000 0.1200 0.0900 0.0300 0.0800	0.0700 0.0000		
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¥ X - Direction				
X - Direction				
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This is particularly useful when you have multiple corrosion scans over time and want to compare the rate of degradation by scrolling through the various color coded plots.

The available info-window library includes MI RBI KPIs, NDE Charts and Graphs, B31G Analysis, ROE Analysis, PIA Analysis, Asset Docs & Records and MI Records. Did I miss any? Hmmm. We shall see....

And Yes, Documents could include image and video file types. Consider the ability for an on-click video of an aerial drone fly over or a PAUT file. This is just a better platform for document retrieval.

Not a fan of Google Maps? Then consider our PFD interface!

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