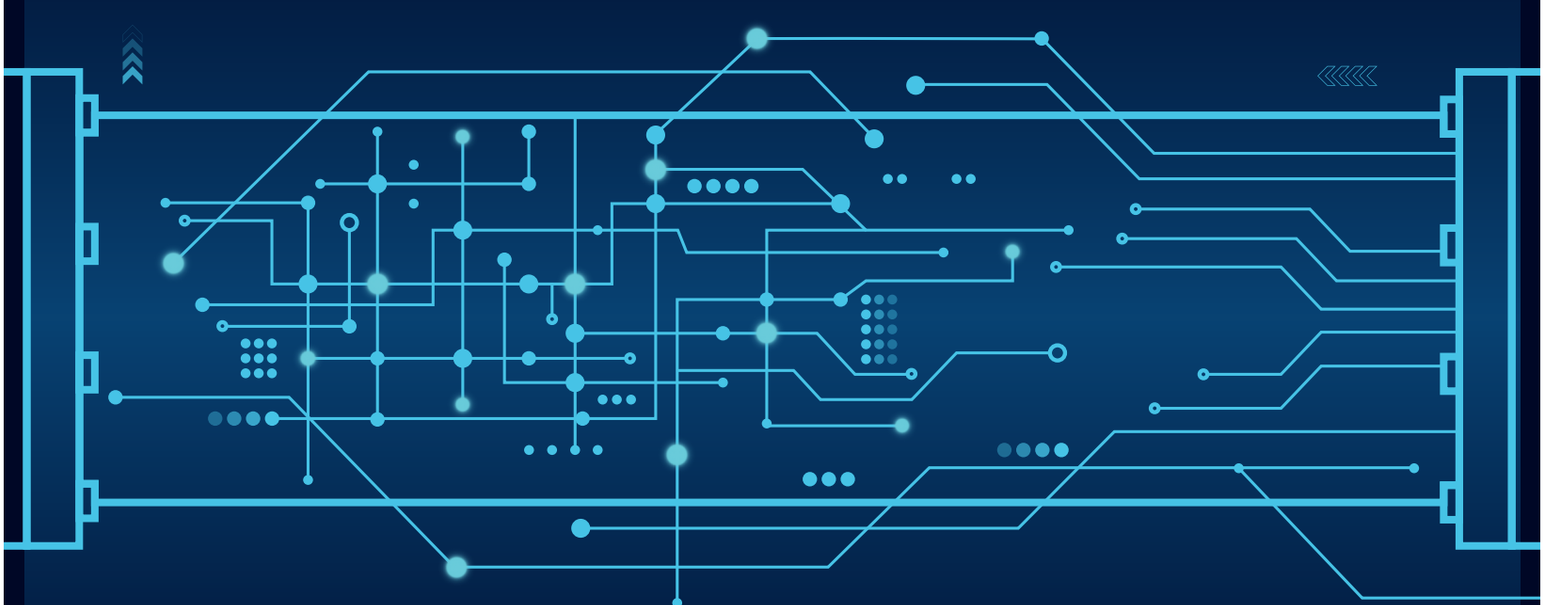
RAPID LINK

FROM

FRONTLINE INTEGRITY



www.frontlineintegrity.co.uk

Trying to evaluate a real cracking threat along your system?

Running expensive crack detection ILI tools?

Performing multiple excavations and not finding actual cracks (low POI)?

Feel you are being advised to dig 'crack-like' calls that you feel are unlikely to be the target threat?

Do you want to optimize your dig planning and save costs?

If the answer is **yes** to any of the above, then **RAPID LINK** can support your business.

OVERVIEW

RAPID LINK is a cloud-based platform that helps you to:

- Perform forensic analysis on your ILI and field data across your network to identify key patterns and metrics
- Analyze new crack detection calls and predict which are likely to be the key integrity threat in line with API 1176, supporting the optimization of a repair plan and saving costs
- Formally assess the performance of an ILI inspection according to API 1163, allowing the user to export a formal report for any inspection run
- Supports analysis of what's driving the formation and growth of SCC on your pipeline

THE PLATFORM

RAPID LINK is a powerful cloud based platform consisting of three key areas:



TREND



PREDICT

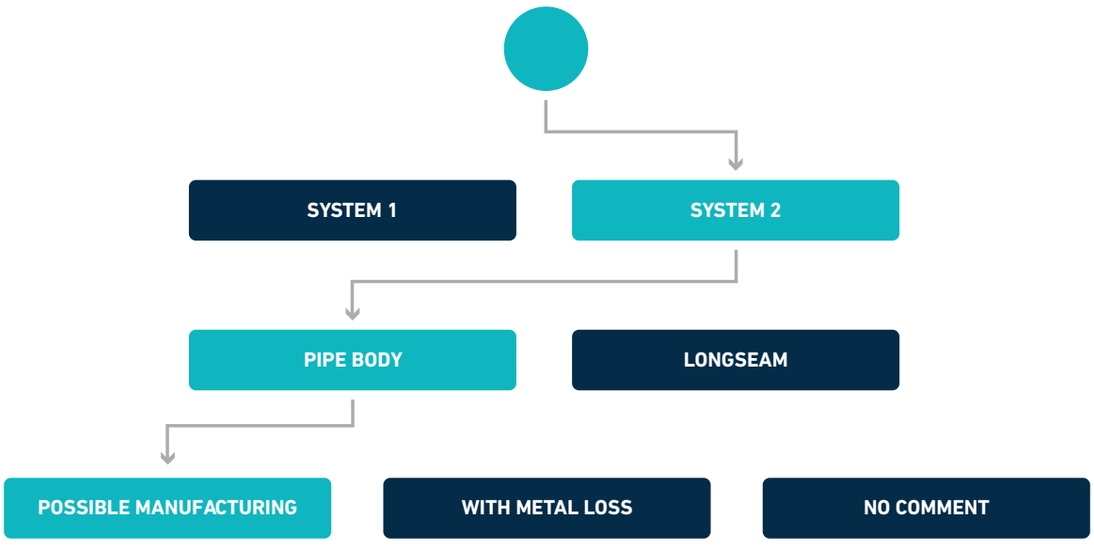


REVIEW

DATA ANALYSIS

- Ensures your data is kept in a secure database, ready to be used at the click of a button
- All ILI and field data is aligned allowing for seamless integration into other modules
- High-level data analytics performed to give the user greater understanding to make informed decisions
- Supports a review of crack threat drivers to fully understand what is causing the formation and growth of cracks to support crack management planning

Signal Characteristic Review

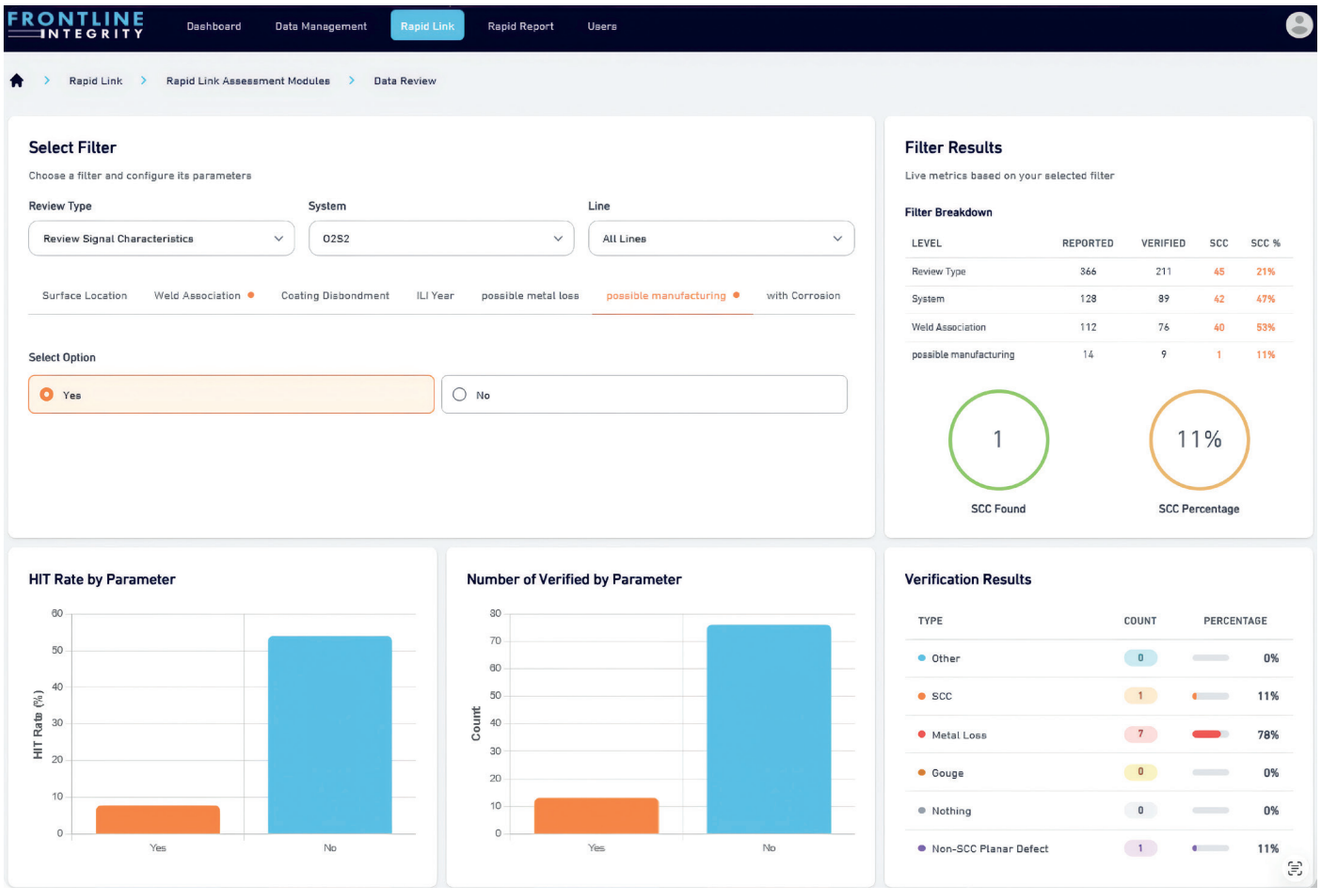


Susceptibility Parameter Review

THREAT DRIVING PARAMETER	JOINTS INVESTIGATED	HIT RATE
Tape Wrap Coating	30	75%
Presence of Deformation	50	82%
Hoop Street >40% SMYS	10	10%

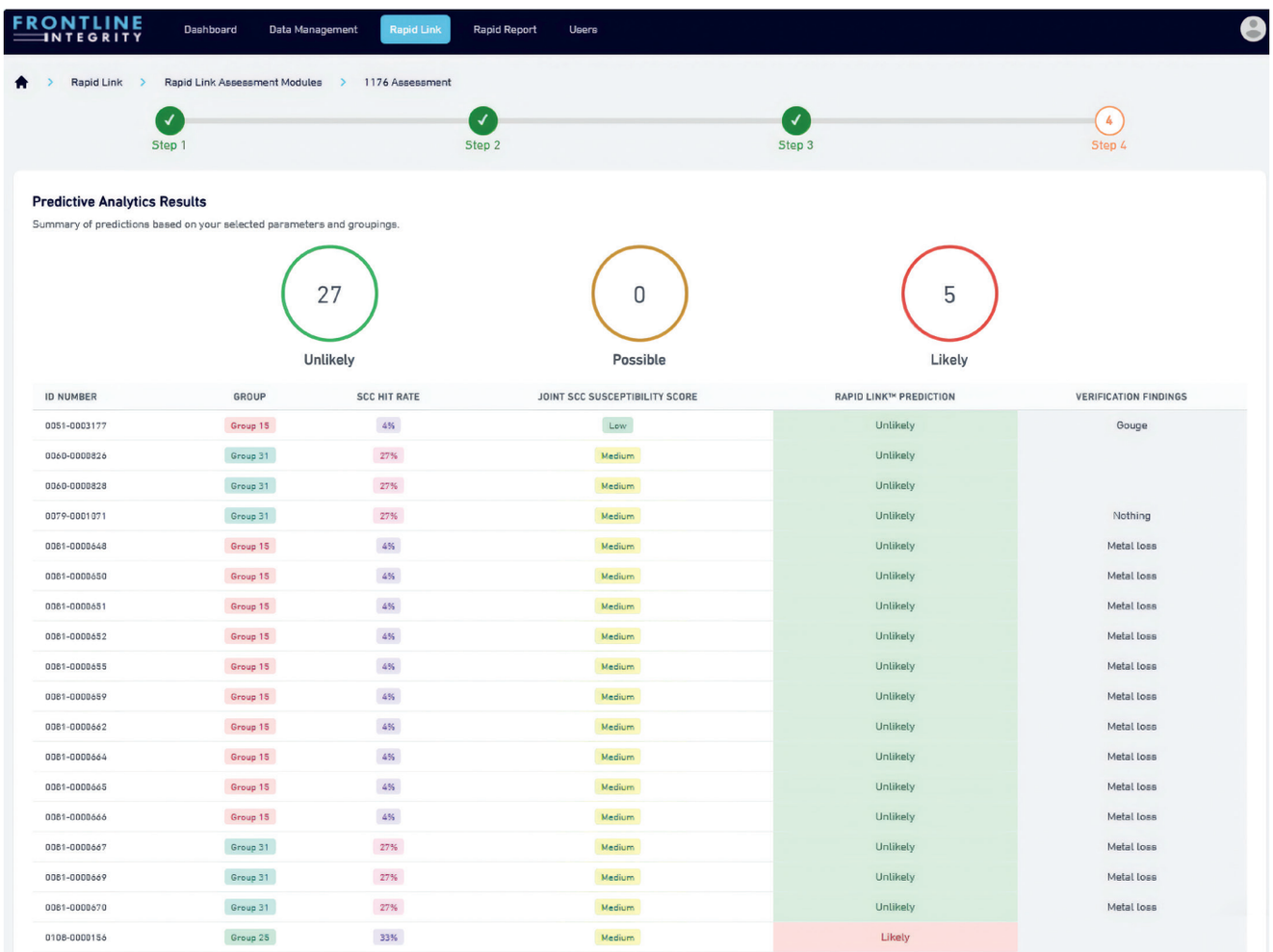
- Understand what's driving formation and growth of cracks on your pipeline to support
  - Crack susceptibility refinement
  - Crack management mitigation decisions

SUSCEPTIBILITY PARAMETER REVIEW - CONTINUED



API 1176 PREDICTIVE ANALYSIS

- Uses historical ILI and field findings to predict where cracks are likely to be located
- Fully customizable matrix, incorporating susceptibility and risk scoring
- Assessments performed considering specific pipelines, or a system as a whole
- Automated data analytics, supporting holistic review of your data, extracting the maximum value of your data knowledge



ID NUMBER	GROUP	SCC HIT RATE	JOINT SCC SUSCEPTIBILITY SCORE	RAPID LINK™ PREDICTION	VERIFICATION FINDINGS
0051-0003177	Group 15	4%	Low	Unlikely	Gouge
0060-0000826	Group 31	27%	Medium	Unlikely	
0060-0000828	Group 31	27%	Medium	Unlikely	
0079-0001071	Group 31	27%	Medium	Unlikely	Nothing
0081-0000648	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000650	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000651	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000652	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000655	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000659	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000662	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000664	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000665	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000666	Group 15	4%	Medium	Unlikely	Metal loss
0081-0000667	Group 31	27%	Medium	Unlikely	Metal loss
0081-0000669	Group 31	27%	Medium	Unlikely	Metal loss
0081-0000670	Group 31	27%	Medium	Unlikely	Metal loss
0108-0000156	Group 25	33%	Medium	Likely	

API 1163 TOOL PERFORMANCE ANALYSIS

- Easily monitor crack detection tool performance in line with API 1163
- Produce summary metrics and charts showing POD, POI, POMI and sizing accuracy
- All information able to be exported for clear documentation of tool performance
- Allows a “rapid” assessment to assist in vendor discussions
- Supports risk led decisions, such as the use of supplementary SCC risk mitigations



WHY CHOOSE RAPIDLINK?

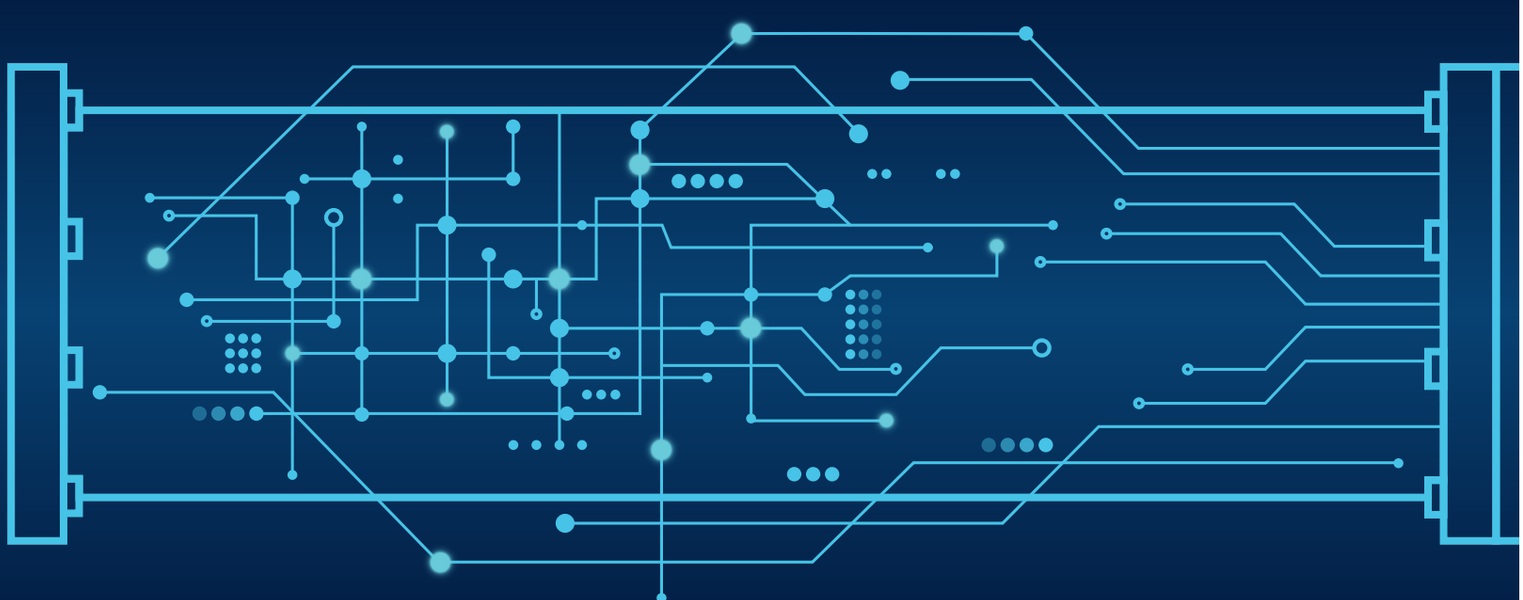
- User friendly interface
- Cloud-based, multi-user platform
- Maximize the use of valuable data
- Formally assess the performance of a crack detection ILI inspection.
- Identify, trend and analyse key location-specific material, construction and ILI anomaly parameters associated with historically verified sites
- Apply these trends to newly reported (unverified) ILI calls to predict whether these are ‘likely’, ‘possible’ or ‘unlikely’ to be SCC to support the development of a focused dig verification plan

CUSTOMER FEEDBACK

> Had the platform been available prior to excavating reported anomalies along this pipe section (blind test), it is likely that over 30 digs would have been saved when considering the model prediction alongside feature severity. This equates to a significant resource and budget saving of roughly 1.5 million USD in a 10 year period which could be spent in other areas ensuring the network remains able to operate efficiently and safely.
>
> ***- Gas Transmission Operator***

FRONTLINE INTEGRITY

Interested in more information or using our services?
Please email: **enquiries@frontlineintegrity.co.uk**



For more information, please visit our website:

www.frontlineintegrity.co.uk