PipeTalker™

For Linear Asset Management

Design | Engineering | Procurement | Construction | Operations | Integrity Management

PIPETALKER™

Tracking and Electronic Data Capture

Using the portal EchoRFID clients will be able to:

Track equipment and shipments by using GPS transponders,
Employ RFID tags to document material inventory, issues, and receipts
Perform field data collection and render this information in the portal,
Provide all users a common operating picture in real time
Produce and share any required reports,
Manage users, access rights, reports, and data tables,
Manage and share GIS and CADD data with authorized field users
Search for and display the locations of all project activities on a map.

PIPETALKER™

Tracking and Electronic Data Capture

Using the mobile app EchoRFID clients will be able to:

Document material locations and movements,

Capture, manage, and submit project documentation,

Import files for viewing, such as maintenance procedures and parts diagrams,

Autofill forms with available electronic information,

Import and render map layers from the portal.

View created data in real time.

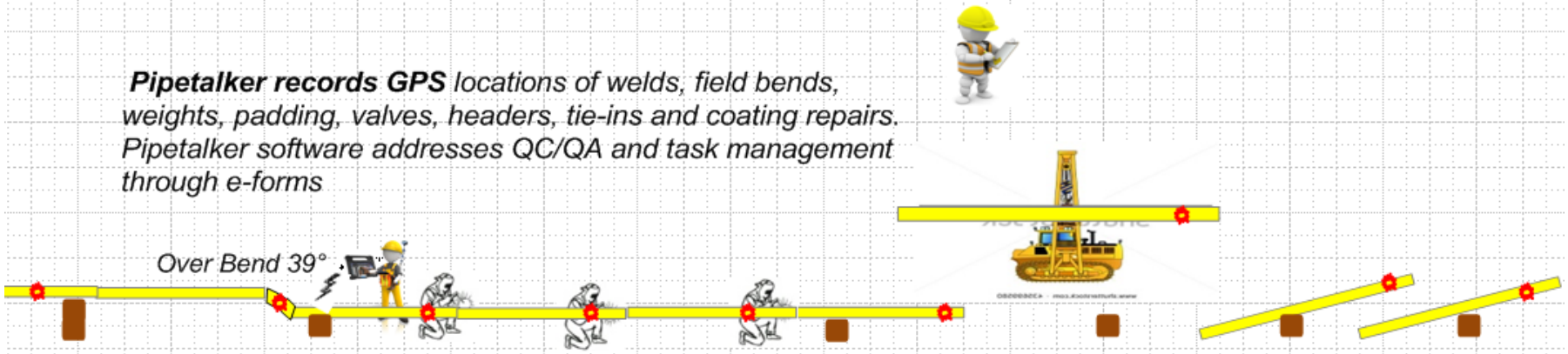
PIPETALKER™

Pipetalker ™

Pipeline Construction

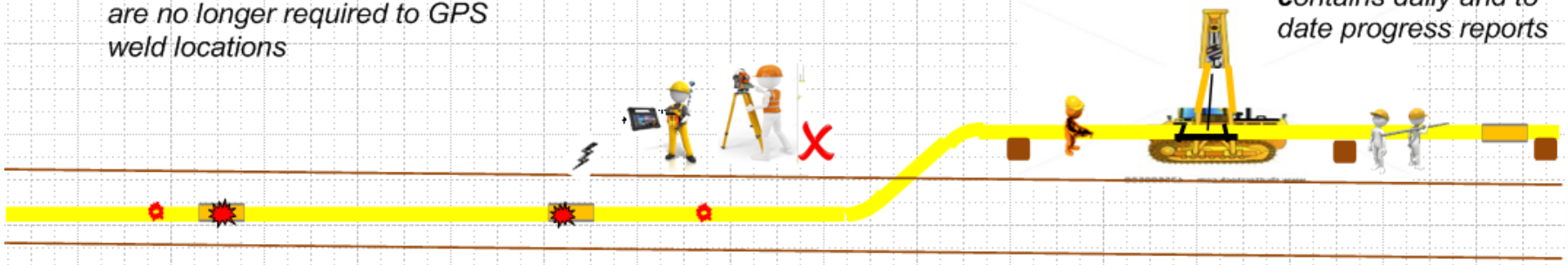
inspectors *document the job with digital instead of paper forms producing significant improvement in project integrity*

Pipetalker records GPS *locations of welds, field bends, weights, padding, valves, headers, tie-ins and coating repairs. Pipetalker software addresses QC/QA and task management through e-forms*



Costly 3rd Party Survey Crews *are no longer required to GPS weld locations*

Pipetalker software *contains daily and to date progress reports*



PIPETALKER™

Pipetalker

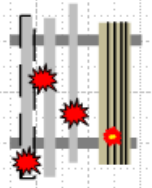
Facility Construction

Management *can monitor the project in real time from anywhere*

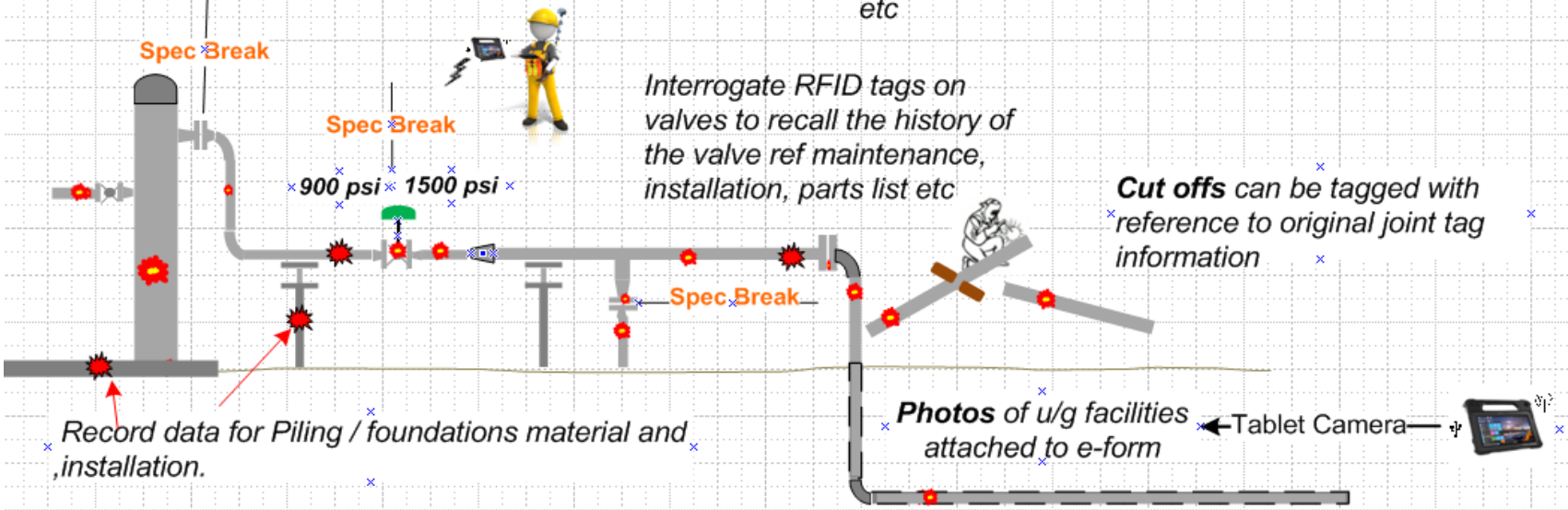
Pipetalker software *and e-forms use a standardized procedure to collect data in a consistent manner that yields complete, reliable, and measurable data and saved to the database to deliver traceable, verifiable and complete records*

GPS - T*ags, welds, valves, vessels, piles, meters etc. can all be accurately geospatially registered*

Interrogate RFID tags on each pipe, line number and tech cable to access links the history of the assets ref maintenance, installation, welding, material etc



Pipe Rack c/w Cable Tray



Interrogate RFID tags on valves to recall the history of the valve ref maintenance, installation, parts list etc

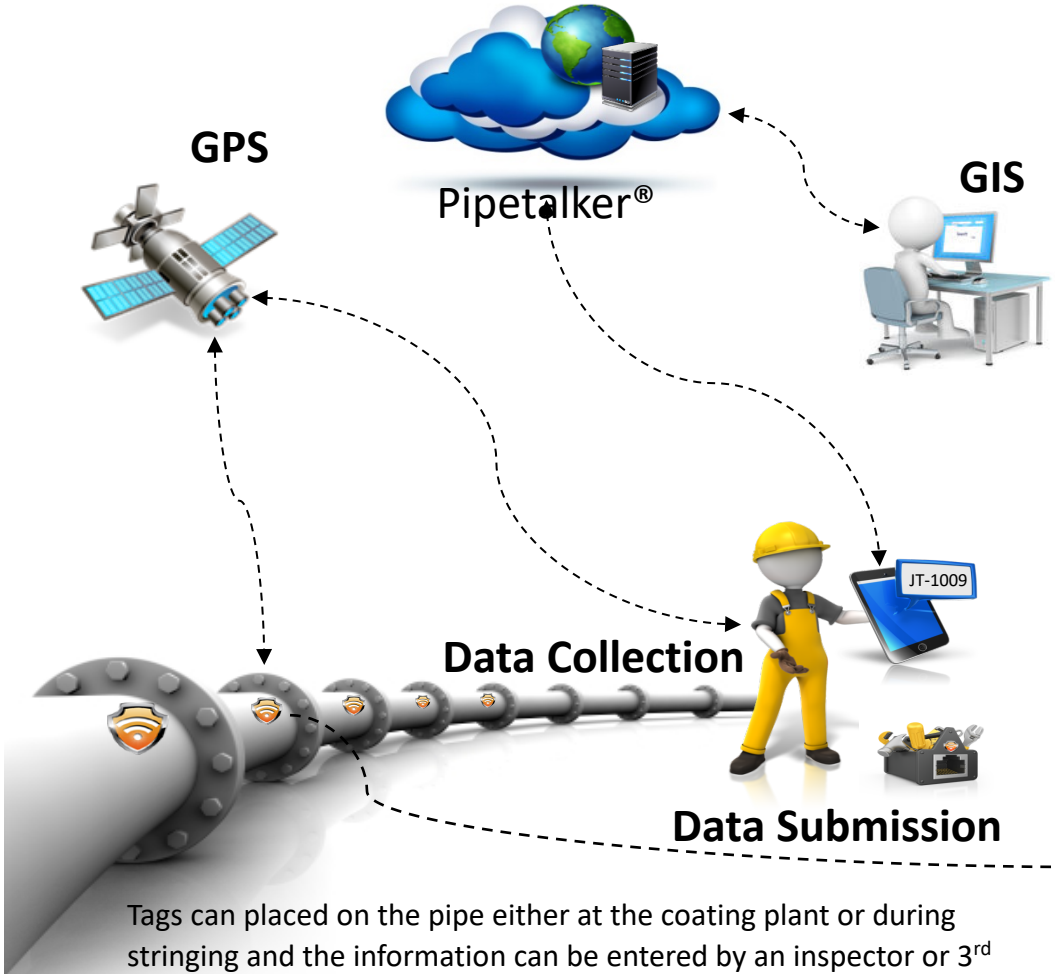
Cut offs *can be tagged with reference to original joint tag information*

Record data for Piling / foundations material and ,installation.

Photos *of u/g facilities attached to e-form* ←Tablet Camera

PIPETALKER™

How it Works



Tags can placed on the pipe either at the coating plant or during stringing and the information can be entered by an inspector or 3rd party.

Material RFID Tag: 20182B6N00K0564B02

Joint Number:	JT-1009
Joint Length:	59.9 ft
Joint Material:	Steel
Joint Specification:	5LS – X56 – ERW, DSA
Joint Heat #:	786945
Joint Owner:	Company: ABC
Joint Manufacturer:	IPSCO
Joint Supplier:	Franklin
Purchase Order #:	PO-098134
Load #:	16
Pipe Size:	20 “
Pipe W.T.	.406”
Category	II
Latitude	32.6525121
Longitude	-122.4647425
…	

PIPETALKER™

Data Trail

Using the mobile app the user creates the electronic:

- pipe tally to record receipt of each major material item
- stringing report to identify the field stationing
- weld report to identify location, welders, and inspection results
- coating inspection reports, as-built reports, tie-in reports, hydraulic test results, crossing reports, daily inspection reports, photographic documentation, etc.

All records are saved to the database in real time when connected.

Offline data capture and documentation is fully supported.

PIPETALKER™

Benefits

- ✓ Improves **safety** and reduces risk
- ✓ Improves **access to information** by sharing data with stakeholders
- ✓ Improves **situational awareness** by displaying information on a map
- ✓ Provides the ability to **track/monitor** all project activities
- ✓ Provides a **clear map** of the cultural, historical, and environmental assets
- ✓ Supports **information** input from all sources
- ✓ Allows **all stakeholders** to be engaged and contributing to the project
- ✓ Provides **electronic records** of all project documentation.
- ✓ Simplifies **audit** process including preparation and compliance review.

PIPETALKER™

a Tahltan Aboriginal Business Venture

- **Layne Tucker**, CEO, is Tahltan and the majority owner of EchoRFID LLC. Layne has 25 years of Oil & Gas pipeline business experience, is an RFID technology subject matter expert and successful businessman. Layne also co-founded ProStar, an affiliated company. Layne was born and raised in Fort St. John, BC and currently lives in Colorado. He has several family members that continue to reside in Tahltan territory. Layne is a second generation pipeliner and continues to support the improvement of safety and environmental performance engaged in oil & gas exploration, production, and transmission. Layne has owned several companies and has worked internationally. Layne started his company with an idea that occurred to him when an unmarked pipeline was damaged during a construction project that he was working on in Northern Alberta. This triggered the idea of combining GPS navigation technology with pipeline maps to accurately show the location of buried lines. Through his research, he recognized the value of using RFID combined with satellite technology to track, trace, and record materials and record any work performed on those materials during construction. Layne recognizes the importance of engaging First Nations on projects that impact their communities…

PIPETALKER™