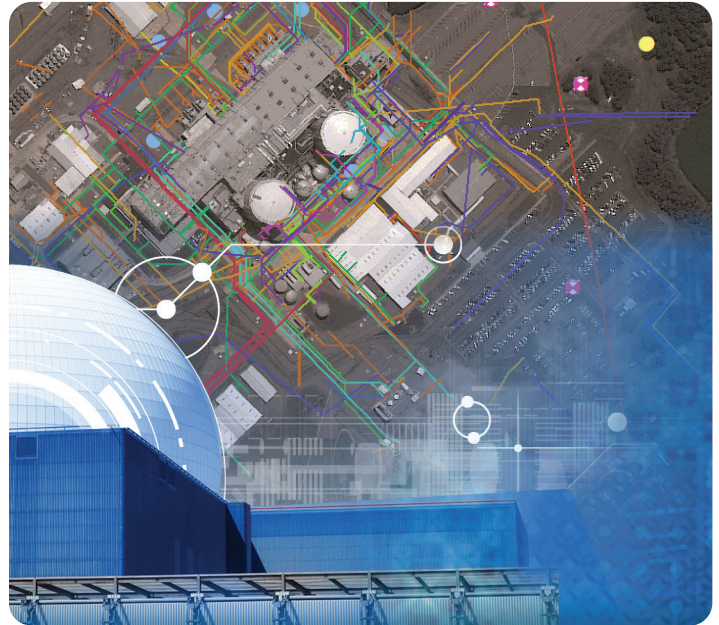


MAPPro 4.0 continues to support buried piping, service water, cathodic protection, and other nuclear program owners with their critical data needs. MAPPro 4.0 is aligned with and expands upon the functionality of EPRI's BPWorks 3.0.

Shared Database Functionality in MAPPro 4.0 and BPWorks:

- Design, Operation, Consequence Data
- Environmental Data
- Inspection Data
- Soil Data and Test Results
- Fluid Properties
- Anodes, Test Stations, Rectifiers, Ground Beds
- Above Ground Piping Design, Operation, Consequence, and Inspection Data

The comparison chart below highlights areas where MAPPro 4.0 offers advanced, custom-developed tools designed to meet the evolving demands of the industry. These enhancements ensure more flexible, scalable, and insightful data management.



	Feature	BPWorks 3.0	MAPPro 4.0	The MAPPro Advantage
Core Database Functionality	Buried Piping Risk	x	x	The MAPPro 4.0 risk algorithm is fully transparent and customizable and is preferred by all MAPPro 4.0 users over the BPWorks risk algorithm
	Buried Piping Risk Charting	x	x	MAPPro 4.0 utilizes an isometric risk chart, which gives a better risk interpretation than the granular 3x3 risk matrix
Advanced Database Functionality	GIS Connection		x	The MAPPro 4.0 database is synced with an ESRI database called MAPProView, which is a visual representation of all the database layers, from design data (distribution of material types, coating types, soil types) to inspection data (CP readings, excavations and wall thickness readings)
	Inspection Reporting		x	MAPPro 4.0 provides easy tools that allow for automatic generation of inspection reports with historical trends and photos
	Reasonable Assurance Tool Kit		x	MAPPro 4.0 has an NEI 09-14 Reasonable Assurance calculator that automatically groups lines based on user selected criteria
	Web Based		x	MAPPro 4.0 is built on a secure online platform that is accessible from your computer or mobile device

Feature		BPWorks 3.0	MAPPro 4.0	The MAPPro Advantage
Advanced Database Functionality	CP Effectiveness Trending		x	MAPPro 4.0 provides an effectiveness trending tool that allows CP engineers to quickly visualize system health and problem assets that are in need of attention
	Online Monitoring		x	MAPPro 4.0 can be configured to automatically receive, store, and analyze data such as Rectifier Readings
	Bulk Data Entry		x	MAPPro 4.0 is built on a platform that facilitates data entry—our mantra is "easy in; easy out"
	Customizable Queries		x	The search function is the "easy out" portion of our mantra—MAPPro 4.0 easily exports results in a meaningful manner
	Buried Piping Risk Analysis Tools		x	MAPPro 4.0 risk analysis is a deep dive into the constituent parts of the final risk roll-up and is a tool that gives users full visibility for risk
	Simple Risk Weighting Modification		x	After a deep analysis of risk, should any modifications to the risk weighting factors be required, the MAPPro 4.0 end user has control over weighting factors
Expanded Scope Database Functionality	Tank Data		x	MAPPro 4.0 handles tank design, operation, consequence, inspection data, etc.
	Tank Risk		x	MAPPro 4.0 has a risk ranking tool for tanks
	Groundwater Wells		x	MAPPro 4.0 accepts groundwater readings that can be synced with the GIS database
	Above Ground Piping Risk Algorithm		x	MAPPro 4.0 boasts an all new risk algorithm specifically tailored for above ground piping and raw water degradation mechanisms
	Above Ground Pipe Builder		x	MAPPro 4.0 in-software tools allow the user to apply assets and records to a drawing layer and interact with data from the pipe builder window
MAPPro 4.0 User Support	User Support Group		x	MAPPro 4.0 is supported by a MAPPro users group
	Continuous Development		x	MAPPro 4.0 user funding supports continuous improvements of the software, with updates and upgrades being provided automatically each year

Effectively manage design and inspection data, conduct analysis and successfully rank and prioritize problem areas to mitigate the effects of aging piping systems