

ThingWorx® Navigate™

Accelerate product development with self-service, role-based applications

Product data is your organization's most valuable asset. Decisions made with this information can greatly impact your business, including product safety and reliability, speed of innovation, on-time and on-budget delivery, and more.

To realize the business benefits of good decisions – and to avoid the repercussions of bad ones – it is essential that stakeholders throughout your organization can access the most up-to-date product information whenever they need it.

Why ThingWorx Navigate?

Most enterprise software tools are inaccessible to a broad range of users due to costly licensing, intensive training, and the time it takes to integrate and customize them. Stakeholders who aren't experts often access and exchange data from these systems of record using disconnected processes and tools. These workarounds create a new instance of the data that is no longer under change control, so subsequent updates to the system of record make the workaround, and any decisions made with it, at best irrelevant – and at worst inaccurate.



The democratization of product data:

ThingWorx Navigate is a revolutionary new set of applications from PTC that let more stakeholders across a company access and impact product data sourced from multiple systems of record in a simple, role-based interface. With a modern user experience that is as easy to use as a smartphone app, ThingWorx Navigate is ideal for any stakeholder throughout a product's lifecycle that needs access to the latest, most accurate information to drive critical decisions. ThingWorx Navigate integrates directly with enterprise systems of record while delivering a highly intuitive user experience: ensuring accuracy, confidence, and the highest degree of fidelity to your product's data.

Benefits of ThingWorx Navigate:

Connect to product data easily for...

- **Accurate decision-making:** broad visibility into systems of record.
- **Higher product quality:** decisions and actions driven by up-to-date information.
- **New insights:** relevant data from multiple systems delivered in context.
- **Greater value:** extend existing technologies to more users with better adoption.

Experience your data in new ways that are...

- **Intuitive:** training-free, accessible, and modern UI.
- **Role-based:** contextualize data from many sources based on the user's needs.
- **Faster time-to-value:** deploy in hours or days, not weeks or months.
- **Cohesive:** provide one, familiar user experience across multiple systems.

Build new user experiences quickly for apps that are...

- **Extensible:** to new data sources, new systems, and new user experiences.
- **Agile:** deploy new UIs quickly – “try fast; fail fast”.
- **Seamless:** data source changes do not impact the user.
- **Flexible:** sources can be on the cloud, on premises, SAAS, or mixed.

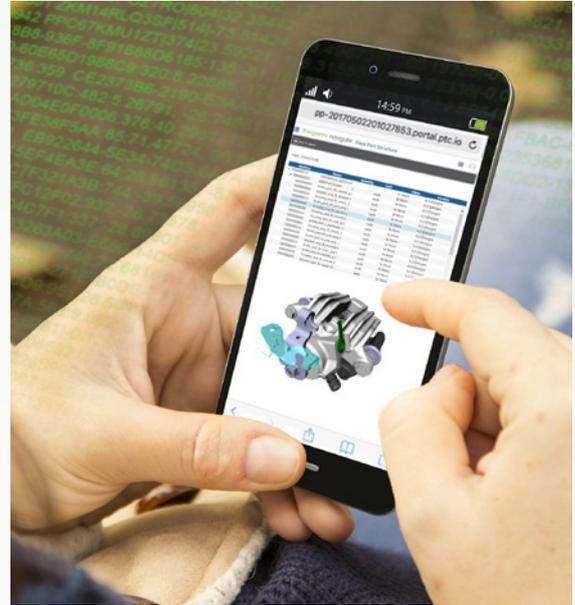
Navigating PLM with ThingWorx Navigate:

A suite of ThingWorx Navigate apps make PLM data housed in Windchill, PTC's product lifecycle management solution, available to more of the enterprise in a highly consumable way, to extend the value of PLM to more product lifecycle stakeholders. By democratizing PLM data in this way, teams who impact the product throughout its lifecycle can easily access the real-time, change-managed, single source of truth for product knowledge, ensuring that every stakeholder involved in the product lifecycle is leveraging accurate information for their decisions.

Navigating requirements with ThingWorx Navigate:

ThingWorx Navigate's “View Requirements” app provides a real-time window into evolving product and software requirements maintained in Integrity Lifecycle Manager. It's a fast, easy way to share rich requirements information with all product stakeholders, to help ensure that everyone is working towards shared objectives.

Features of ThingWorx Navigate:



ThingWorx Navigate apps include:

- View Drawing
- View Part Properties
- View Part List
- View Part Structure
- View/Download Design Files
- View & Measure in 3-D
- View Requirements

ThingWorx Navigate is:

- **Tailorable:** simple controls limit or expand what can be viewed and searched based on selected properties and attributes of the data in a way that can be different for each role.
- **Context-driven:** apps extend PLM data to include information from ERP, CRM, MES and other enterprise systems.
- **System-agnostic:** back-end systems can be updated independently so the user is uninterrupted by upgrades, replacements, data migrations, and other updates.
- **Secure:** data is only served based on the security permissions of the user in the system of record.
- **Mobile-ready:** apps can be accessed via users' device of choice (smartphone, tablet, PC) with adaptive layouts based on device resolution, screen size, and aspect ratio; and preferred platform (Microsoft, iOS, OSX, and Android).
- **Accessible:** 3D visualization is supported across devices and browsers with WebGL HTML5 so users experience a display automatically optimized to their device without requiring the creation, installation, or management of native mobile apps.
- **Modular:** using the developer toolkit, fully customized apps can be created from the ground-up that leverage existing ThingWorx Navigate capabilities.
- **IoT-enabled:** when combined with products or equipment connected to the Internet of Things with ThingWorx, tailored or fully customized ThingWorx Navigate apps can include IoT generated or captured data.



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INNEO [®]		Authorised Dealer
That's IT.		
INNEO Solutions Ltd.	Phone: +44 (0) 1564 793720	
Red Poll Barn	Fax: +44 (0) 1564 793872	
Wootton Park Business Centre	E-Mail: inneo-uk@inneo.com	
Alcester Road · Wootton Wawen	Web: www.inneo.com	
Warwickshire · B95 6HJ · UK		