

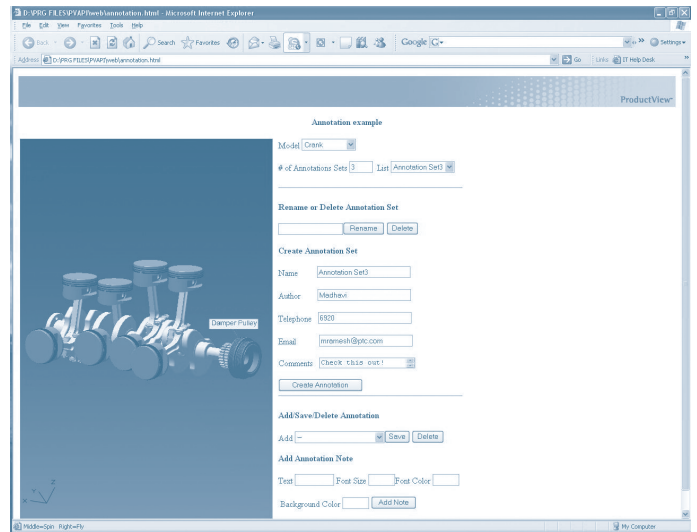
# Extend or Tailor ProductView™ for Unsurpassed Visual Collaboration

Product development organizations have unique collaboration needs that may require novel uses of visualization technology to help facilitate product insight and clarity across the organization and throughout the supply chain.

ProductView Toolkits provide customers with a rich set of APIs for reusing ProductView technology and creating interactive Web portals, tailored Java® applications, and dynamic Microsoft® Office® documents containing embedded viewables. Imagine the insight gained by having applications, such as simple touch screen displays, for navigating 3D models on the shop floor and highly optimized 3D product navigation Web pages to improve communication with the supply chain.

## Key Benefits

- Make viewable data accessible to your extended product development team in ways never before attainable
- Gain productivity advantages by using a high-performance architecture and highly compressed files
- Support your unique requirements with flexible development options
- Allow support for a variety of visual collaboration use cases:
  - Infuse high levels of visual interactivity into existing product development applications to support internal team members
  - Unlock your visual content throughout your supply chain by providing highly interactive Web pages
  - Create stunning Microsoft Office documents containing embedded, interactive 3D data

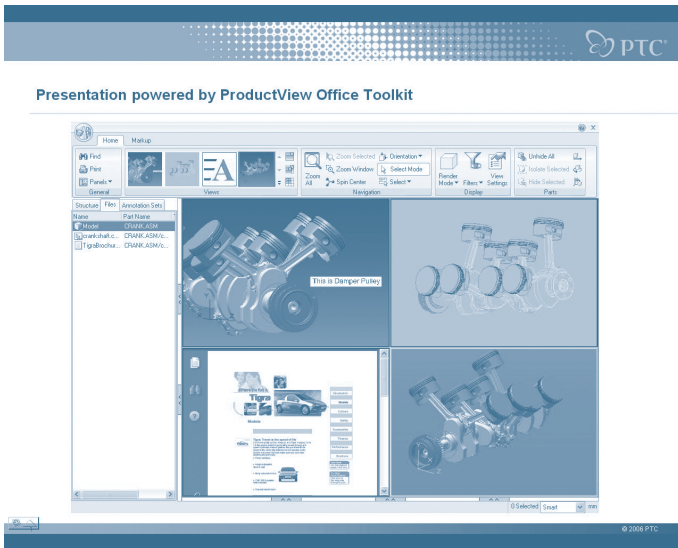


Interactive Web pages built with ProductView Web Toolkit.

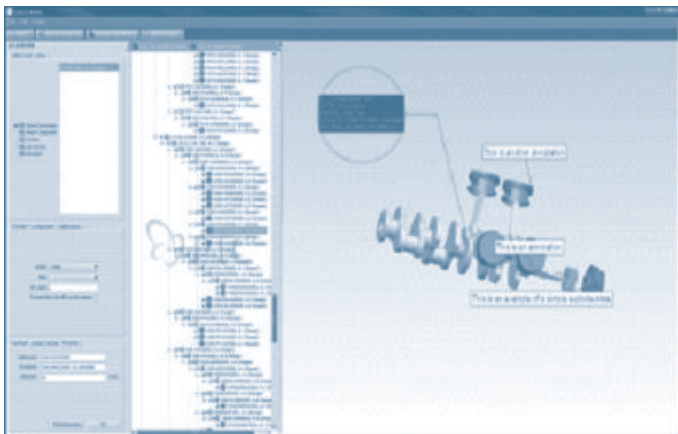
To support a range of usage scenarios, there are three distinct ProductView Toolkit offerings for application developers:

- ProductView Web Toolkit – to embed ProductView technology into Web pages
- ProductView Java Toolkit – to embed ProductView technology into Java applications
- ProductView Office Toolkit – to embed ProductView technology into Microsoft Office documents, such as PowerPoint and MS Word

End users will interact with the developed applications via either ProductView Express, ProductView Lite Toolkit Edition, or ProductView MCAD Professional. Please contact PTC for specific details.



Creating dynamic PowerPoint presentations with ProductView Office Toolkit.



ProductView technology embedded in Java application using ProductView Java Toolkit.

### Standard Programming Languages

- JavaScript (ProductView Web Toolkit)
- Java (ProductView Java Toolkit)

### Rich levels of Interaction and Control

- Embed in HTML pages, Java applications, and Microsoft Office applications
- Enable interaction with 3D models, drawings, documents, and images
- Enable the instinctive, task-based ProductView user interface within Web pages or custom applications
- Get or set ProductView runtime parameters
- Get or set data parameters
- Capture camera states (Annotation sets)
- Allows annotation set creation, storage and activation
- Java API enables dynamic construction and editing of product structures

### Supporting Information

- Electronic user manuals
- Sample code
- Sample data

### Platform Requirements and Compatibility

- Microsoft Windows only
- English only
- Compatible with ProductView Lite 9.0 M010 or later
- Will be compatible with ProductView Express 9.1 (scheduled for release: December 2008\*) and ProductView MCAD Professional 9.1 (scheduled for release: September 2008\*)
- Not compatible with ProductView Standard

\*NOTE: Timing of product releases is subject to change at PTC's discretion.

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## Features

### Superlative Performance and Scalability

- Rapidly load and smoothly interact with large assemblies
- Leverage the ultra-scalable, high-performance architecture of PTC's ProductView
- Embed ProductView technology and reuse existing ProductView viewables across all license types