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Aras Visualization Strategy

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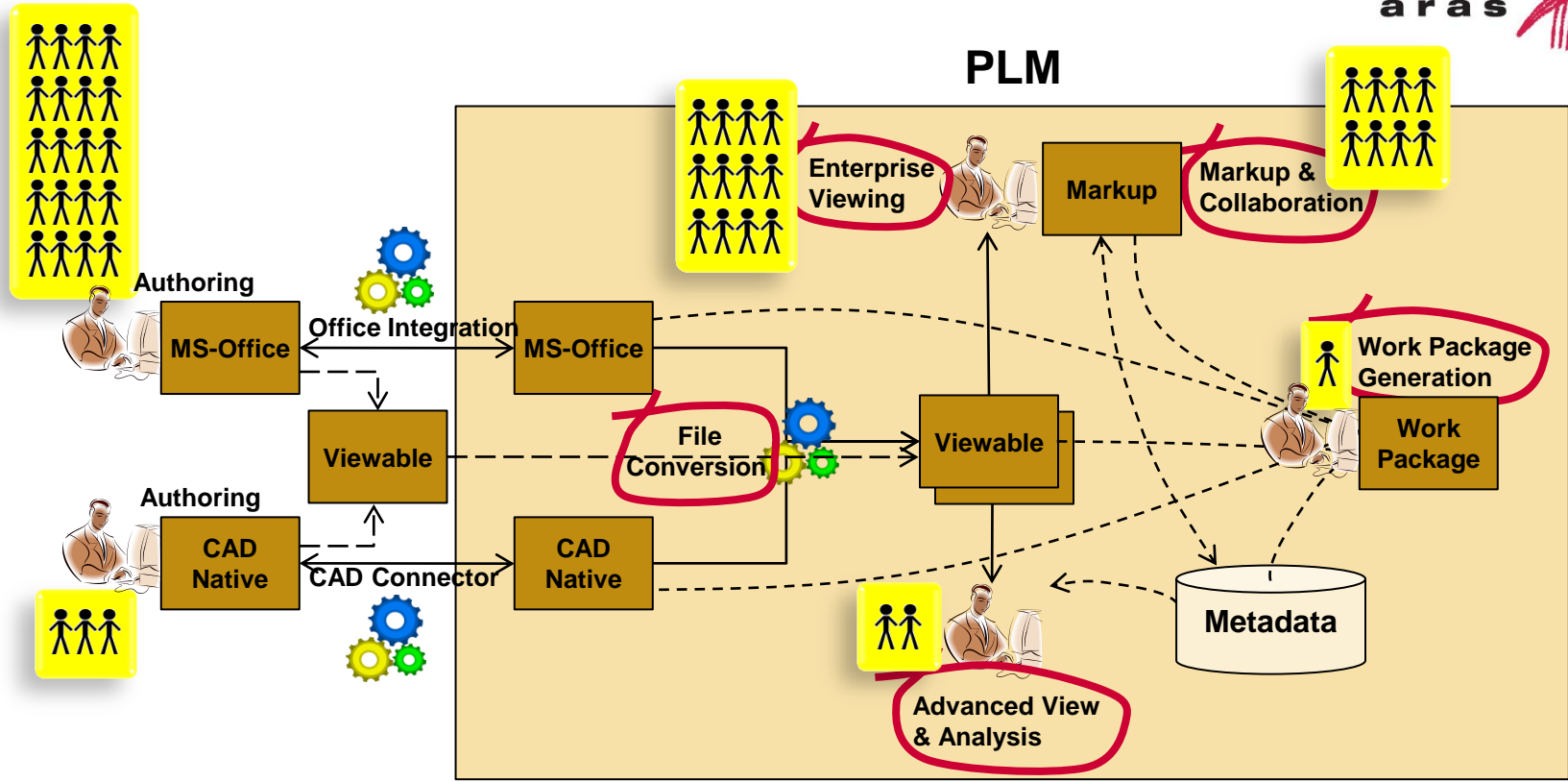
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▶ Current state-of-the-market for visualization falls short

- Undue focus on 3D above all else
- Fragmented support for different data types
- Reliance on proprietary formats
- Can view and markup, but can't easily re-format and re-combine content for downstream use
- Markup is mostly demo-ware

Key Enterprise Use Cases



Relative Use in Organization

File Types

Interactive Work

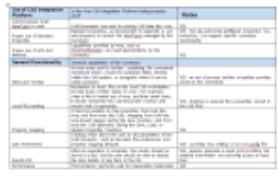




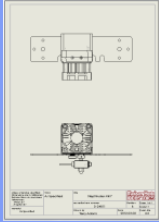
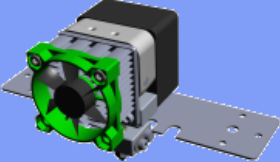
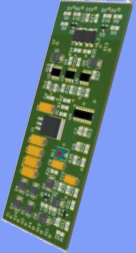
Automated Process

- ▶ **File Conversion**
 - Ability to convert file formats in an automated process
- ▶ **Enterprise Viewing**
 - Ability to view files and perform basic queries
- ▶ **Markup & Collaboration**
 - Ability to create comments and store back into PLM in a context-specific manner
- ▶ **Advanced View & Analysis**
 - Ability to interact with more complex file sets, such as version compare or digital mockup
- ▶ **Work Package Generation**
 - Ability to create compound documents using existing files in PLM, such as work instructions or tech pubs

Key Product Data Types



- ▶ Data types where a broad base of users need to see and act on the file content without the originating application
- ▶ Aras considers the Key Product Data Types to be:

<p>Office</p>  <p>Scans</p>  <p>Documentation</p>	<p>Images</p>  <p>Audio</p>  <p>Video</p>  <p>Media</p>	<p>2D Drawings</p>  <p>3D Models</p>  <p>CAD</p> <p>EDA Models</p> 
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3D PDF for Visualization



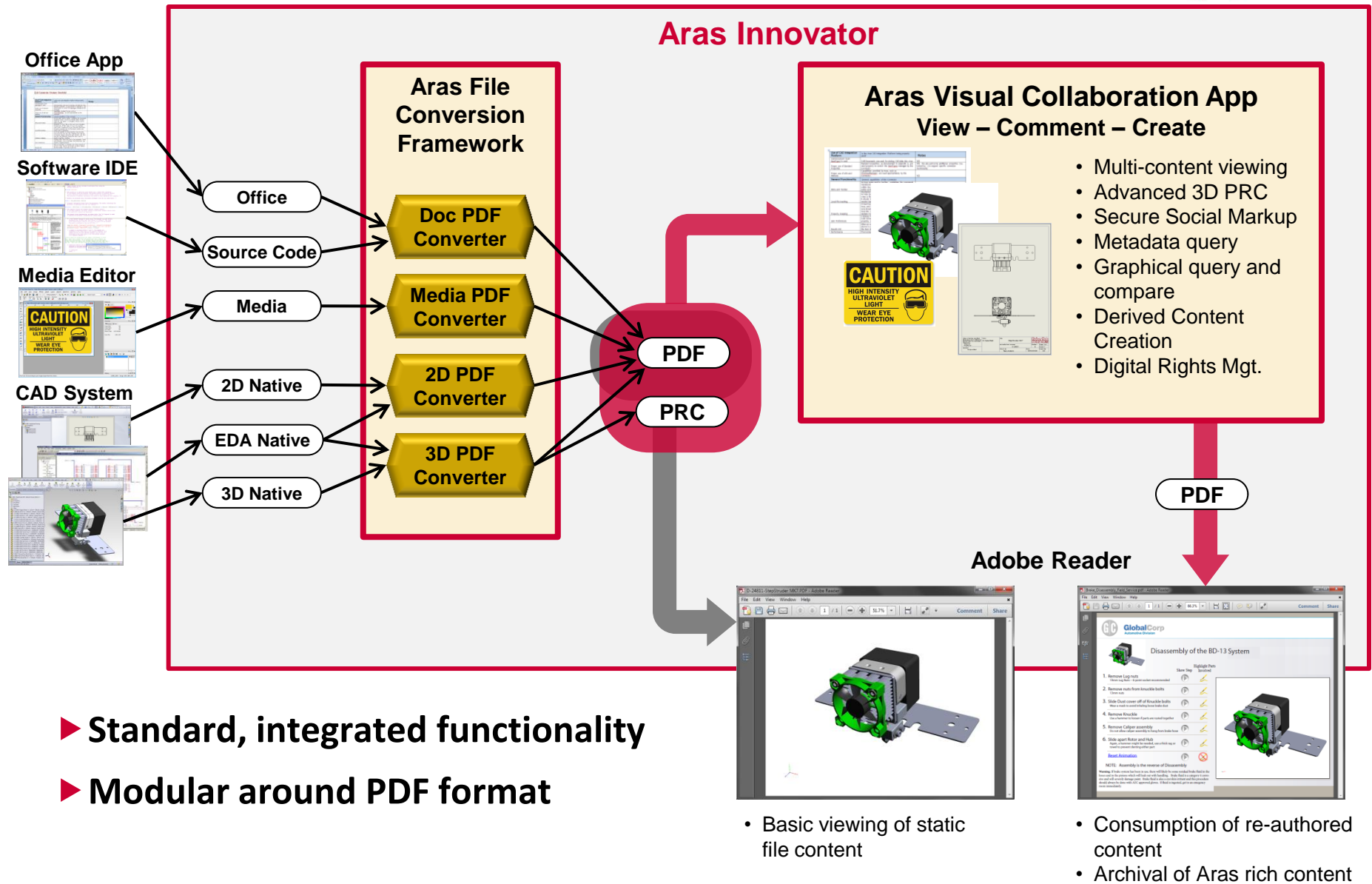
- ▶ Aras Secure Social & Visualization leverages open 3D PDF
- ▶ Aras is a founding member of the 3D PDF Consortium



3D PDF Consortium

www.3dpdfconsortium.org

The Aras Visual Collaboration App



- ▶ Standard, integrated functionality
- ▶ Modular around PDF format

ACE Germany

Questions?

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