

DELMIA V5 DPM Generative

# Work Instructions™ for assembly



*Fast and Easy to Deploy V5  
Authoring Solution for  
Assembly Shop Floor Work  
Instruction Documents*

## *Generate your Shop Floor Work Instructions Automatically from your 3D Design data*

All manufacturing companies; automotive to aerospace, consumer goods to electronics, and their suppliers must create work instruction documentation for shop floor operations. DELMIA V5 DPM Generative Work Instructions for the assembly domain automatically generates shop floor work instructions directly from CAD data, freeing up critical personnel and reducing the time required to generate shop floor work instruction documents.

Traditionally, shop floor work instructions are created manually within a CAD environment as part of the workflow; reducing the amount of time spent on actual design engineering tasks. Then, when there is a change in the design or the manufacturing process all the documents would need to be manually recreated, resulting in additional time spent on non-engineering functions. DELMIA V5 DPM Generative Work Instructions frees up this time, allowing the design engineering group to be more productive and reducing costs. Users can associate assembly simulations and work instructions to 3D geometry and automatically regenerate documents when the geometry changes, saving valuable engineering time.

## *Delivering Accurate and Advanced Support for the Shop Floor Worker*

An investment in engineering is completely leveraged only when the data is properly communicated throughout your workforce. DELMIA V5 DPM Generative Work Instructions for assembly manufacturing provides easy-to-use work instruction authoring tools to document and deliver this valuable engineering data to the shop floor.

DELMIA V5 DPM Generative Work Instructions authoring provides companies the flexibility to move from traditional 2D paper based instructions to using HTML to create instructions using a standard internet browser, or using 3D XML to create electronic Microsoft Office® documents or HTML pages with 3D graphics that allow the user to manipulate their view of the assembly process from within the document.

It also allows the use of electronic work instructions created in DELMIA's DPM Shop solutions, which provide tools for viewing and authoring electronic work instructions, interacting with 3D graphics for analysis, viewing simulations of the assembly process and interfacing with MES or ERP systems.

In addition to improving communication with your shop-floor technicians, this capability enhances communications with outsource manufacturing operations providing a more effective way to explain and share work instructions and reduce time and money spent on site visits and training for workers to effectively complete their part of the process.

## *The DELMIA V5 Advantage*

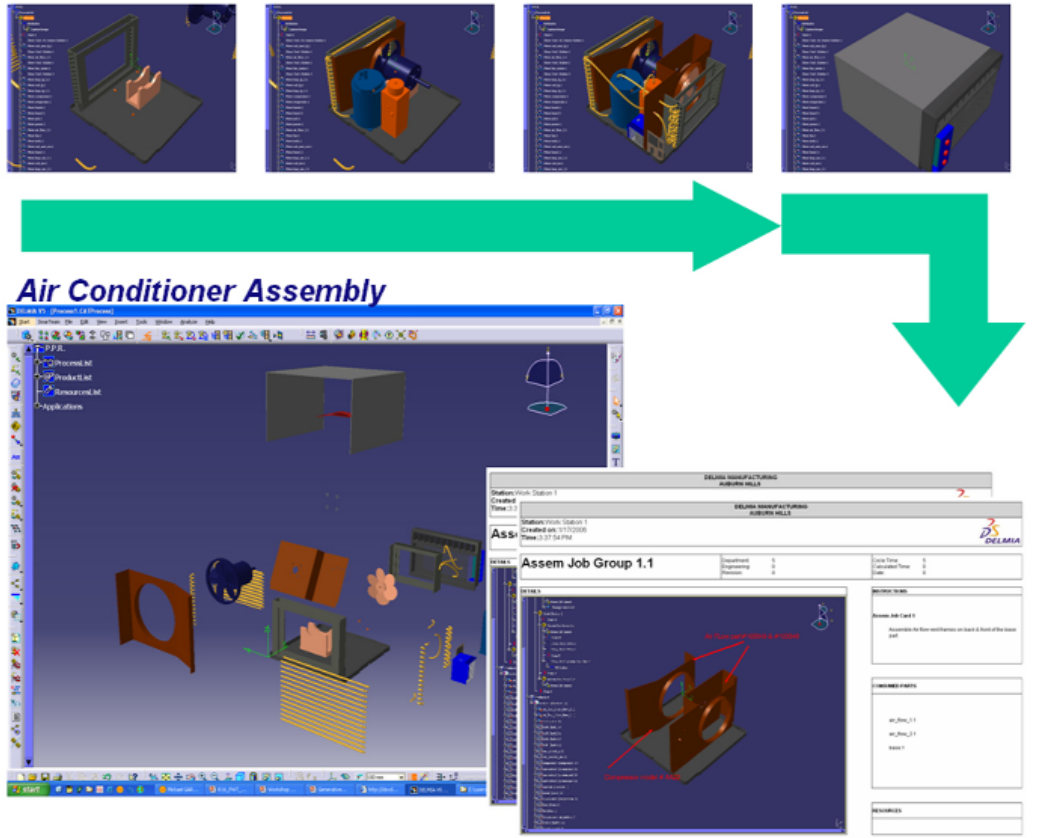
- Open Architecture for customization and extension*
- Reduce time to generate shop floor work instruction documents*
- Reduce errors in communication with shop floor*
- Automatically reflects all changes in geometry in work instruction documents*
- Integrated with CATIA V4 & V5 applications*
- Fast and easy to use*
- Work with other assembly simulation data created from DELMIA V5 applications*



# Work Instructions™ for assembly

## Key Functionality

- Create AVIs, paper style work instructions and 3D based simulations for workers on the shop floor
- Automatically generate shop floor work instruction documents
- Associate assembly simulations and work instructions to CATIA 3D Geometry
- Regenerate documents automatically when geometry changes
- Generate 2D work instructions
- Create sequential assembly operation stations representing the assembly flow
- Create Microsoft® documents or HTML based instructions with embedded 3D XML product information



## Save Time, Cost and Improve Accuracy of your Work Instructions

DELMIA V5 DPM Generative Work Instructions for the assembly domain reduces your authoring time by providing preconfigured functionality to generate work instruction documents, saving valuable engineering time. Users can take advantage of the automated features to quickly and easily set up 2D instruction documents and training aids.

Cost incurred due to data changes and out-of-date work instructions is reduced by regenerating work instructions from the most current engineering data and assists manufacturers to implement a good business practices that enforces regenerating work instructions whenever there is a change in design.

Generating work instructions from the most current data will also minimize the amount of guesswork and number of errors caused by ambiguous instructions, thus ensuring the highest level of productivity and understanding on the shop floor.

## SMARTTEAM ADD-On

Enhance DELMIA V5 DPM Generative Work Instructions with the TeamPDM add-on, which allows users to connect to SMARTeam.

Users can retrieve CAD data/Geometries directly from SMARTeam and save back their process and simulation information.