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INNOVAFUN

***"Applying open standards to INNOVate FURNiture
business processes"***

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Table of contents

1.	Introduction	2
1.1.	<i>Audience</i>	2
1.2.	<i>System Requirements</i>	2
1.3.	<i>Skill Requirements</i>	2
1.4.	<i>Conventions Used in this Guide</i>	2
2.	Learning CADEF	3
2.1.	<i>Usage Scenario</i>	3
2.2.	<i>Product Available</i>	3
2.3.	<i>Standards Used</i>	3
3.	Getting Started	4
3.1.	<i>Installation Guide</i>	4
3.1.1.	Pre-installation checklist.....	4
3.2.	<i>User's Guide</i>	4
3.2.1.	User's interface	5
3.2.2.	Catalogue browsing.....	6
3.2.3.	Product Data Definition.....	6
3.2.4.	ISO 10303-236 Export	14
3.2.5.	Product Catalogue Viewer	15
3.2.6.	Tool setup	15
3.2.7.	Conventions	15
4.	Troubleshooting	17

1. Introduction

This document presents the installation and users' guide of CADEF. It includes an overview of the tool.

1.1. Audience

The target audience of this guide is the end-users as they will be the people who would deal with CADEF when defining a product catalogue.

1.2. System Requirements

The minimum requirements for running correctly CADEF are as follows:

- Operating System: Microsoft Windows © XP or higher
- CPU Speed: 1GHz
- RAM amount: 128 Mb
- Screen resolution: 800x600 pixels or higher
- Java Runtime Environment 1.6 or higher
- CD-ROM Unit

However, as many software tools, it exists a set of recommended requirements for a better execution of the tool:

- Operating System: Microsoft Windows © XP or higher
- CPU Speed: 1 GHz
- RAM amount: 512Mb
- Screen resolution: 1024x768 pixels or higher
- Java Runtime Environment 1.6 or higher
- CD-ROM Unit

1.3. Skill Requirements

The users who will deal with CADEF must have a deep background in the furniture industry as they will have to work with products' catalogues, with products' specifications, with products' variations, etc. Additionally, the users need to have a basic knowledge in working with software tools.

1.4. Conventions Used in this Guide

[Describe the conventions used in this manual, e.g. "select" or "click" or "click on", all mean that you should select an item with the cursor while depressing the left mouse button]

2. Learning CADEF

CADEF (CATalogue DEFinition) is a tool specially developed to define the product catalogues compliant with the ISO 10303-236 standard in a better way. This tool permits the creation of catalogue structures comprising price lists, inclusion of fabrics and finishing, product configurations, properties, and furniture products, of course. The innovation brought by the tool to the market is that it permits the association of AutoCAD© DWG files with the product card and it is able to link the parts of the products with the different layers defined inside the 3D DWG file.

Therefore, CADEF can be used to generate catalogues performing associations between the parts of the product with the 3D AutoCAD© files.

2.1. Usage Scenario

[Describe an example of a real scenario where this P&S could be used]

2.2. Product Available

[Describe the tool functionalities or the service methods and interfaces]

2.3. Standards Used

As CADEF is a tool specially developed to define the product catalogues compliant with the ISO 10303-236 standard in a better way, it makes use of the ISO 10303-236 standard for product catalogue data exchange.

3. Getting Started

If it is the first time you are using CADEF, then you should follow carefully the steps for the installation process before doing any other operation. If that is not the case, you skip section 3.1, and go directly to the users' guide to learn more how to use CADEF.

3.1. Installation Guide

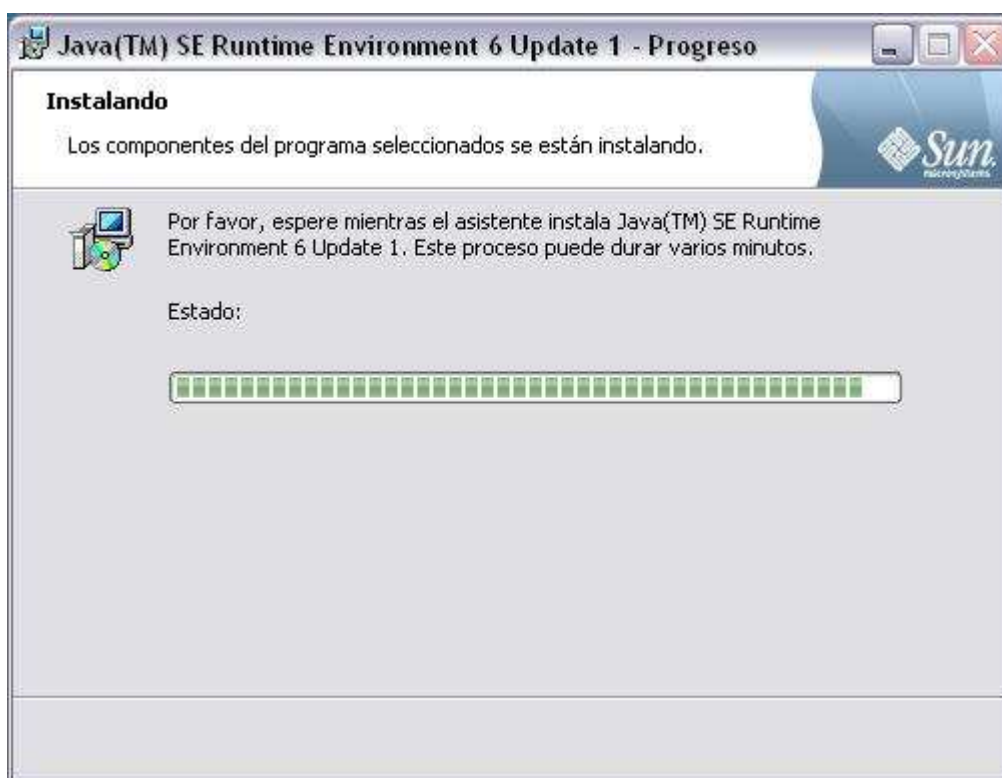
Before starting to work with CADEF, the user has to install the application into his PC. To perform such action, the user has to insert the CD inside the CD-ROM unit, browse for the *setup.exe* file and execute it.

In that moment, InstallShield will launch the installation process with the help of the InstallShield Wizard. As CADEF is a Java-based tool, InstallShield will prompt the user for installing the Java Runtime Environment 1.6. Once Java has been successfully installed, InstallShield will continue with the installation of CADEF.

3.1.1. Pre-installation checklist

The pre-installations requirements are as follows:

- Java Runtime Environment 1.6



3.2. User's Guide

CADEF tool is defined by the following chapters:

3.2.1. User's interface

CADEF User's interface is based in the use of tabbed resizing panels. The rationale for using this approach is avoiding the use of pop-up dialogues as well as it keeps the different features of the tool in the same window.

It is possible to maximize/minimize the tabs of some tabbed panels with a double-click allowing to visualize or hide the content of the panel. On the other hand, the adjustable panels are resizable only by clicking with the mouse in the splitter bar between two different panels or by left-clicking on the buttons "<" or ">".



Figure 1. Splash of CADEF

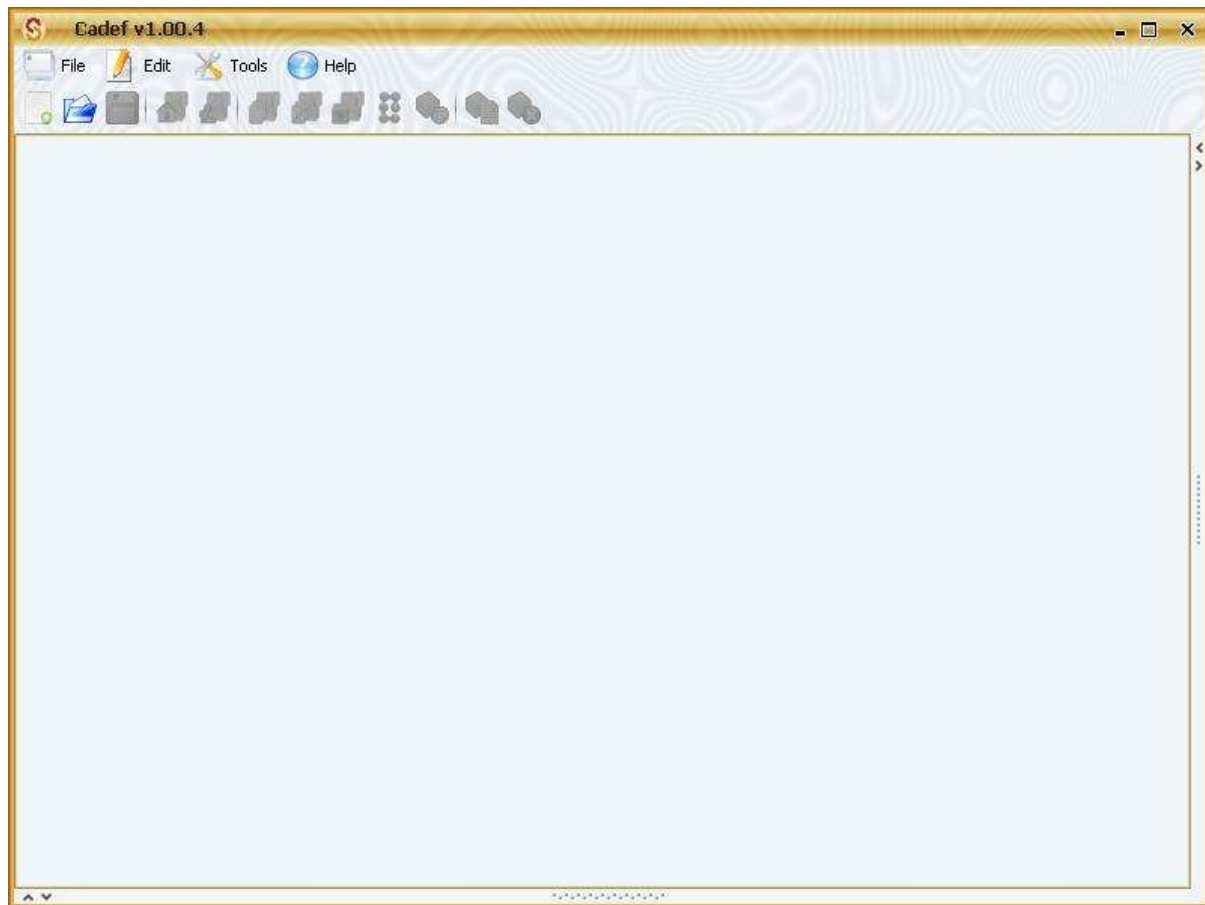


Figure 2. CADEF's User Interface

3.2.2. Catalogue browsing

The tree structure of a catalogue is loaded after opening a catalogue project. Initially, the tree is full collapsed showing only the organization node, i.e. the root of the tree. Every node has defined the following events:

- Show/hide children's nodes by selecting a given node and double-clicking on it. If the node is collapsed and the user double-clicks on it, the node expands and vice versa;
- Show children's nodes by selecting the option "Expand" in the pop-up menu;
- Hide children's nodes by selecting the option "Collapse" in the pop-up menu;
- Show/hide children's nodes by selecting a given node and through main menu → Edit → Expand/Collapse.

In CADEF there are two auxiliary tables for a quick and comfortable search of products. Searching through the tree can be too slow as the search engine will look up the totality of leaves, expanding the ones which are collapsed, until it definitely finds the desired product.


- Products' table: Each row of the table represents the general information of a given product, i.e. the ID, name, description and versioning;
- Pictures' table: This table shows less information than the previous one and only shows the main picture of all the products as well as the ID and the description of the product.

3.2.3. Product Data Definition

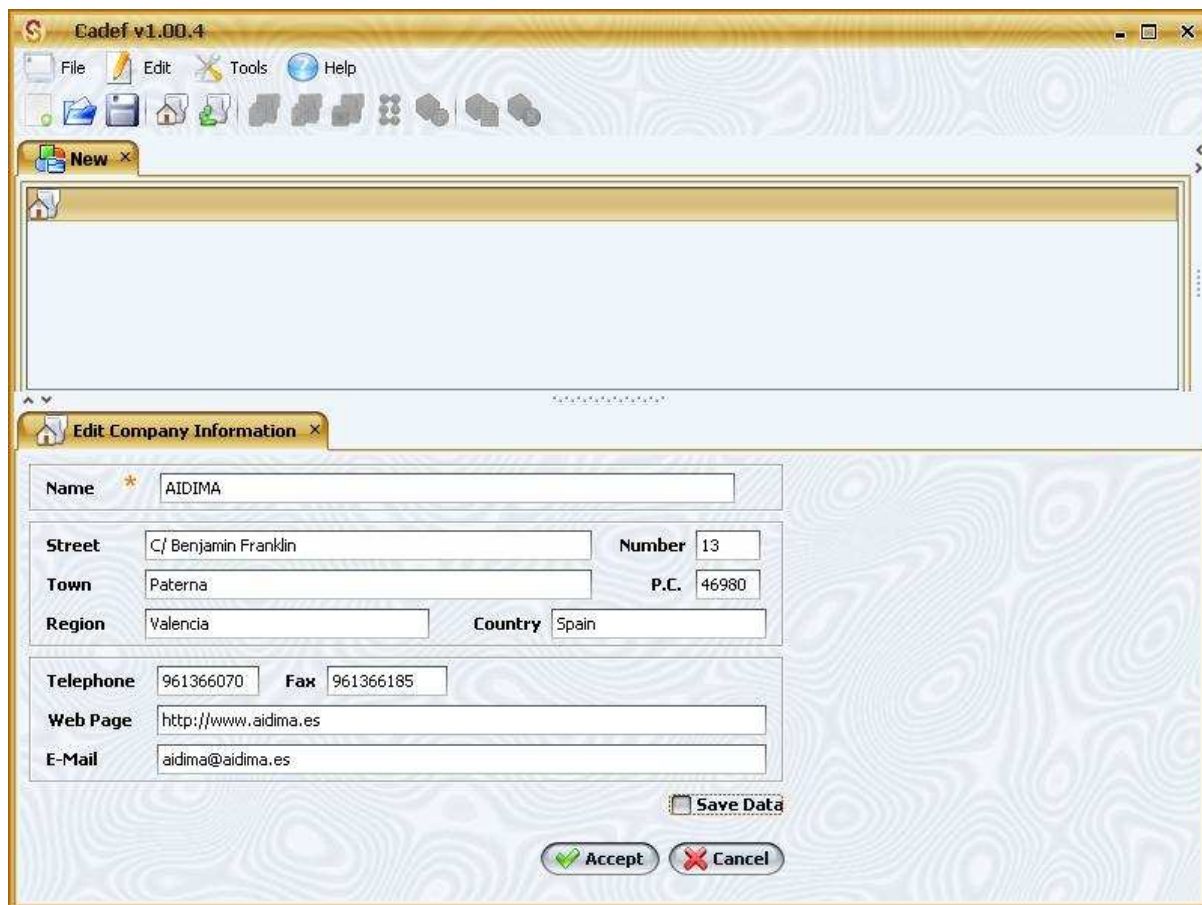
This section intends to teach the user how he can define all the information needed for defining correctly a catalogue. As a catalogue comprises information related to the Organization, Specification categories, Specifications and Products this chapter details which is the flow for defining such parts.

3.2.3.1. Organization

Within this section, the user can define the information related to the organization. The user has different ways to access and edit this information:

- By selecting in the main menu → Edit → Edit Organization Information;
- By clicking on the button  in the task bar;
- By selecting the option Edit Organization Information from the pop-up menu;

Additionally, the information of the organization can be saved as *persistent* among different projects, namely the user can save the information of the organization within a project making this information common for future projects. To perform such operation, it is necessary to select the option *Save data*.



The screenshot shows the 'Edit Company Information' dialog box in the CADEF v1.00.4 application. The dialog is titled 'Edit Company Information' and contains the following fields:


- Name:** AIDIMA
- Street:** C/ Benjamin Franklin
- Number:** 13
- Town:** Paterna
- P.C.:** 46980
- Region:** Valencia
- Country:** Spain
- Telephone:** 961366070
- Fax:** 961366185
- Web Page:** http://www.aidima.es
- E-Mail:** aidima@aidima.es

At the bottom of the dialog, there are three buttons: 'Save Data' (with a floppy disk icon), 'Accept' (with a green checkmark icon), and 'Cancel' (with a red X icon).

Figure 3. Defining a company

3.2.3.2. Specification categories

A Specification category or a Group of specifications is a container for all the specifications applicable to a given product. The specification categories are **always** defined within *Product Class* nodes. The specification categories are shown as a tabbed panel which contains a form to define, modify or delete categories and a table representing the already defined categories. To access this information, the user can perform any of the following actions:

- By selecting in the main menu → Edit → Manage Specifications;
- By clicking on the button  in the task bar;
- By selecting the option Manage Specifications from the pop-up menu;

The information presented in the tables can be introduced following the instructions from section 3.2.7.2.

A Specification Category consists of the following elements:

- **Name:** It identifies the Specification Category itself. It must be unique within the whole set of categories defined in the catalogue. It is a mandatory field.
- **Description:** Additional information with respect to the category.


Apart from the fields presented above, it is possible to define other properties linked to a given Specification Category, for example, price increase depending on the category. This action can be performed in the section [Properties Definition](#) inside the section 3.2.3.4.1.

3.2.3.3. Specifications

A specification can be seen as a characteristic or as a possible configuration of a given product or a part of it. The specifications are grouped under Specification Categories. Each Category can have any number of specifications. Additionally, if a Specification is linked to a node belonging to the Product Class type, all the descendants from this node belonging to the Product Specification type will inherit that Specification.

This section is presented as a tabbed panel containing a table in which each row represents a category and a panel to add, edit or delete specifications.

To access to this section, the user can perform any of the following actions:

- To click on the button . Notice that it is in the top right-hand side of the section. [Definition of specification categories](#)
- To double click on one of the rows of the table Specification Categories in the section. [Definition of specification categories](#)

To see the operation of this table, the user can go to [Tables of information insertion](#)

A [Specification](#) in CADEF consists of the following elements:

- **Name:** It identifies the [Specification](#). It must be unique within the total group of specifications defined in the catalogue. (**OBLIGATORY**)
- **Description:** Additional information to the specification.
- **Texture:** If the Specification has a visual representation, a representative picture of it can be added. For example, in the case of a fabric for a sofa, a photography of the pattern of the fabric could be placed. The same for a wardrobe's knob.

In addition to the previous fields, another properties linked to a Specification can be also defined, such as increases of price according to specification. To do so, the panel [Properties' definition](#) can be used.

3.2.3.4. Product specification

A [Product specification](#) is defined as the collector of the possible specifications of a product. In certain way, it can be considered like a group of possible configurations for a given product.


For any product it is needed at a minimum a Product Specification defining at least one possible configuration. On the other hand, it does not exist a limit in the number of Product Specifications belonging to a given product.

A [Product specification](#) can be only children's node of the type [Product Class](#), and only if those nodes does not have another nodes [Product Class](#) as children's nodes.


Within this section it is distinguished:

- **General information.** In this section you can find the [Definition of Product Specification](#), [Link of the main picture of the product](#) and [Define Properties](#).
- **Technical information.** Here you carry out the [Product Configuration](#), the [DWG file association](#) and the [Association of the CAD model to the Product Configuration](#).
- **Images.** In this tab you make the [Link to the main pictures of the product](#) and [Link to the main Electronic Documentation of the product](#).
- **Documentation**


How to add a product configuration:

- Having a node [Product Class](#) selected: Select in the Main Menu > Edit > Add Product.
- Having a node [Product Class](#) selected: Click on the button  of the task bar.
- Having a node [Product Class](#) selected: Select the option of the contextual menu* "Edit Product".

How to edit a product configuration:

- Having a node [Product Class](#) selected: Select in the Main menu > Edit > Edit Product.
- Having a node [Product Class](#) selected: Click on the button  of the task bar.
- Having a node [Product Class](#) selected: Select the option of the contextual menu* "Edit Product".
- Double click with the left mouse button on a node of the [Product Specification](#) type in the catalogue tree.
- Double click with the left mouse button on a row of the table of [Quick Search of Products](#).

How to delete a product configuration:

- Having a node [Product Class](#) selected: Select in the Main menu > Edit > Delete Product.
- Having a node [Product Class](#) selected: Click on the button  of the task bar.
- Having a node [Product Class](#) selected: Select the option of the contextual menu* "Delete Product".

3.2.3.4.1. General information

3.2.3.4.1.1 Basic Information


A [Product Specification](#) in CADEF consists of the following elements:

- **Id:** Identifies the [Product Specification](#). It has to be unique within the total group of specifications defined in the catalogue (**OBLIGATORY**)
- **Version:** Product version
- **Name:** name of which this Specification of Product is known. (**OBLIGATORY**)
- **Description:** Additional information.

3.2.3.4.1.2 How to link the main picture of a product

Besides being able to identify a product by its reference ("Id"), the use of a image as a graphic description could help to distinguish it from the rest of the products and it would make easier its identification. This image is usually a technical picture of the product. On the other hand, this image is the one used by the products tree to present the [Quick Search of Products](#) by image.

To link a main picture of a product, the next steps must be followed:

1. In the general information tab, within the [Product Specification](#), click on the button  situated under the Technical Image frame. A file search panel will be opened and will permit the navigation through the file system of the User's Operative System.
2. Search the picture you want to link to the product.
3. Once it is found, select it with the mouse and click on the button "Open" situated in the low right-hand corner of the file search panel. If the file selected is a valid picture file, this will appear represented in the in the upper part within the Technical Picture frame.

Valid picture files are those of the type: JPEG, JPG, GIF, TIFF y PNG.

3.2.3.4.1.3 [Properties definition](#)

A property can be considered as a characteristic of a given object. A [Property assignment](#) can be made to different types of entities.

The following list shows the different entity types to which properties can be assigned:

- [Specification](#).
- [Specification Category](#).
- [Product specification](#).

This section is presented as a tabbed panel containing a table in which each row represents a category and a panel to add, edit or delete specifications.

To see how this table works, go to [Information insertion tables](#).

A property in CADEF consist of the following elements:

- **Name:** name of recognition of the property. (**OBLIGATORY**)
- **Value:** Value taken by the mentioned property. The value of a property can be defined with different formats. To see the different formats go to the section [Formats of Values for Properties](#). (**OBLIGATORY**)
- **Unit:** If the property is quantifiable, this field will contain the unit of measurement used. If this field is not filled in, CADEF will considered that the property has a value of the type chain of characters.
- **Context:** It shows the context in which the value indicated has been given.

3.2.3.4.2. [Technical information](#)

3.2.3.4.2.1 [Product configuration](#)

As it has been seen previously, a [Product Specification](#) is a possible configuration of your product. To defined a certain configuration the group of characteristics accepted by your configuration must be 'specified'. These specifications are inherited to each configuration of the Specifications Categories linked to the nodes [Product class](#) from where it descends. Among this inherited specifications you must select those representing permitted characteristics for the configuration you are describing.

To access this section:

1. Open the panel of the [Product Specification Definition](#).
2. Select the tab Technical Information from the tabs' panel.
3. In the panel Specification Categories appears the specification inherited from the nodes [Product Class](#) organized by Categories. Each specification has a selection box. It this box is

selected it indicates that this specific characteristic is permitted in the Product Specification you are describing.

In case a specification is not selected it will mean that the characteristic it represents is not available for this product configuration and, therefore, that characteristic will not be present for this product if this configuration is offered.

3.2.3.4.2.2 AutoCAD DWG file association

A [Product Specification](#) can have a linked graphic representation as a 3D model. This model will help to give an estimated three-dimensional idea of how your product will be once produced. As it will be seen further on, with the model and the information of the [Product Configuration](#), you will be able to visualize all the possible configurations that your product could present after the [Association of CAD model with the Product Configuration](#).

At the moment CADEF is only able to read CAD models of the type DWG, versions 2002 and 2004. Practically all the CAD design applications existing in the market are able to export to this format DWG which can be considered as a standard 'De Facto'.

Furthermore, this model must fulfil a series of requirements concerning the elements and the structured it has to contain. Those requirements are defined in the section [Geometric Requirements](#).

To link a 3D CAD model to this product:

1. Open the panel of [Definition of Product Specification](#).
2. Select the tab Technical Information from the tabs' panel.
3. Within the panel "Geometry" click on the Import button. A file's search panel will be opened and will permit the navigation through the files system of the User's Operative System.
4. Search the file of the 3D CAD model you want to link to the product.
5. One found, select it with the mouse and click on the 'Open' button of the low right-hand corner of the file's search panel. If the file selected is a CAD file that fulfil the format and design requirements, the name of the file will be show in the text box CAD File.

The CAD file can be visualized from CADEF whenever you have in your PC an application able to read DWG files.

To visualize a DWG file:

1. Open the panel of [Product Specification Definition](#).
2. Select the tab Technical Information from the tabs' panel.

Within the panel "Geometry" click on the See button. If there is any application able to open DWG files version 2002, 2003 installed in the PC in which CADEF is executed, then the file will be opened with this application.

3.2.3.4.2.3 Associating a DWG-file with the Product Configuration

The geometric model of your product is divided in one or more parts. With CADEF you can define which specifications inherited by your [Product Specification](#) you want to assign to each part of the geometric model. To assign a specification to a part of the model is equivalent to say that, if this specification has a linked texture, this part could be shown with this applied texture. In this way, your model will show all the possible combinations offered by your product.

All that information is stored in your XML so it could be treated later by the appropriated applications.

Once you load a CAD file and, as long as this file is valid and fulfil the mentioned design requirements in [Geometric requirements](#), CADEF will open a table at the top of the screen where it will show the existing parts in your model.

This table consists of the following fields:

- **Colour.** The colour to which the part is identified. This field is automatically completed during the CAD file import process.
- **Part.** In this field must be written the name to which it is aimed to identify the part of your model.
- **Category.** In this field appears a list of every specification category which are parents of the specifications inherited by this product specification.

3.2.3.4.3. **Pictures and photographs**

3.2.3.4.3.1 **Linking pictures to a product**

At any moment you can link pictures to your product to give additional graphic information considered important. You can link those pictures to a [Product Specification](#) through a [Document Assignment](#). Through this link you maintain information of the Picture type and its localization.

To access to this section:


- Open the panel [Definition of Product Specification](#).
- Select the tab Pictures in the tabs' panel.

This section is presented as a panel containing a table in which every row represents a picture linked to the product.

The table shows the following information:


- **Picture:** a small picture showing the reduced picture in proportion.
- **File:** here appears the name of the picture.
- **Type:** picture type (PNG, GIF, JPEG, etc).
- **Route:** route through it is possible to access to the electronic document.

To add a new picture, accomplish the following steps:

1. Click on the button  Add situated in the top right-hand side of the panel. A search file panel will open and it will allow the navigation through the file system of the User's Operative System.
2. Search the picture it is wished to link to the product.
3. Once you have found it, select it with the mouse and click on the button 'Open' situated in the low right-hand corner of the search file panel. The program will create then a new row in the pictures' table, with all the information concerning the selected picture.


To delete a picture, accomplish the following steps:

1. Select with the mouse the row of the table corresponding to the picture you wish to delete.

2. Click on the button  Delete situated in the top right-hand side of the panel. The product linked to that picture will be removed from the table.

**Note: The picture is deleted only from the table, not from the files' system. The definitive deletion of the picture has to be made from the own operative system you are working with.*

To visualize a Picture with the system predetermined application:

1. Select with the Mouse the row of the table corresponding to the pictures you want to visualize.
2. Click on the button  See situated at the top right-hand side of the panel. If there is a predetermined application in the system to open the type of file selected, the file of the Picture will open with that application.

Valid files of pictures are those of the type JPEG, JPG, GIF, TIFF y PNG.

3.2.3.4.3.2 Linking documentation to a product

A given product can have a group of additional information which is advisable to have linked to this product so it is easily accessible. If this is electronic information (images, pdf files, text documents, CAD, etc.) it can be linked to the [Product Specification](#) through a [Document assignment](#). Through this link you keep information about the electronic document type and its localization.

To access to this section:


- Open the panel [Definition of Product Specification](#).
- Select the tab Documentation from the tabs' panel.

This section is presented as a panel containing a table in which each row represent an electronic document linked to the product.

The table shows the following information:


- **Type:** If the operative system has a icon related to the document type presented, that will be shown in this column. This icon permits the fast recognition of the document type.
- **File:** here the electronic document name will be shown.
- **Type:** electronic document type (PDF, DOC, TXT, etc.).
- **Route:** route through it is possible to access to the electronic document.

To add a new document, follow the next steps:

4. Click on the button  Add situated in the top right-hand side of the panel. A file search panel will open and will permit the navigation through the files system of the User's Operative System.
5. Search the electronic document wished to link to the product.
6. Once you have found it, select it with the mouse and click on the button 'Open' situated on the low right-hand corner of the files search panel. Then, the program will create a new row in the documents' table with the information concerning the selected document.


To delete a document, follow the next steps:

3. Select with the mouse the row of the table corresponding to the document you wish to delete.

4. Click on the button  Delete situated in the top right-hand side of the panel. The association of the product to this document will be deleted from the table.

** Note: The document is only deleted from the table not from the files system. The definitive deletion of the document has to be made from the own operative system you are working with.*

To open a document with the predetermined system application:

3. Select with the mouse the row of the table corresponding to the document you wish to open.
4. Click on the button  See situated in the top right-hand side of the panel. If there is a predetermined application in the system to open the type of file selected, the file will be opened with that application.

3.2.3.4.4. Documentation

3.2.4. ISO 10303-236 Export

Once you have correctly created and saved the catalogue, your objective is to be able to send this catalogue to a different destination where it will be imported and the information processed somehow.

To carry out this task FUNSTEP creates, in a location indicated by the user, a ZIP file containing all the information about the catalogue that you want to be sent together with a XML file, which information fulfil the ISO AP236 standard.

This ZIP file will be sent by e-mail, by hardware (CD, DVD, pen drive, etc.) or by a different electronic digital medium, to your receiver.

To generate a FUNSTEP archive:

1. Select in the Main Menu > Tools > Wizard Funstep Creation Archive. The wizard will open showing the first configuration screen.
2. Select if you want to send all the information you have in your catalogue or just specific information.
3. Specify the location in your PC where you want to store the FUNSTEP archive once generated.
4. Click on the 'Next' button.
5. If the option "Complete Catalogue" was selected, go on.
6. In this screen you decide the type of information you want to send. You could:
 - Choose sending your catalogue structure, that is to say, the nodes, the Product Class nodes, Specification Categories and Specifications.
 - Choose sending the products' information. If you choose this option you can:
 - Choose sending the geometric information of the products.
 - Choose sending the textures linked to the specifications.
 - Choose sending the images linked to each product.
 - Choose sending the properties linked to each product.
 - Choose sending the electronic documentation linked to each product.
7. Click on the 'Next' button.
8. If the option product information was not selected, go on.

9. In this screen you select those products which information you want to send.
10. Click on the 'Next' button'.
11. The process of generation of the FUNSTEP archive starts. It may take some seconds.
12. In case there is any mistake during the generation... *(incomplete in the original in Spanish)*

3.2.5. Product Catalogue Viewer

CADEF does not use any data base technology to store the catalogue information. In its place it used a XML document as a medium to store that information and make it persistent in your PC. Thank to the use of that technology together with the possibilities that the XSL technology offers, you can visualize your catalogue in a browser presented as a web page.

CADEF visualizes your catalogue in your browser using XSL example templates which transform the information contained in XML to a HTML document. To do so, when using that option you visualize for the first time your catalogue, CADEF creates a folder named XSL together with the files needed for its operation. Once the copy is finished, CADEF will open in your browser by default the XML document containing the information of your project. Your catalogue will be visualized as it is indicated in the XSL templates.

It is important to highlight that those templates are an example of how it could be presented the information of your catalogue. A web designer with XML and XSL knowledge should be able to create his own XSL templates in a way that to be applied to your XML will show your catalogue as you want it to appear in your web page. In this way, any modification made from CADEF in your catalogue would visualize immediately in your web only by actualizing the XML document in your server.

Another important utility offered by XSL is transforming the information contained in your XML to other electronic documents: PDF, TXT, etc. That will permit the creation of electronic catalogues that subsequently could be printed in paper.

3.2.6. Tool setup

3.2.6.1.1. Language selection

You can change the language in which the text in the interface and the help appears.




To change the language you must:

1. Select Main Menu > Tools > Language>
2. Click on the language you want to use.
3. Once selected the new language it is necessary rebooting the application so that the changes will be applied to the whole interface.

3.2.7. Conventions

3.2.7.1. Tree-based catalogue

The catalogue is built following a tree structure whose root is represented by the organization. The following level is comprised by the (different) catalogue(s) the organization owns. From a catalogue node it is possible building the different catalogue hierarchies as tree branches, without any limitation. These branches are built via a combination of container's nodes, like product lines or families, and product nodes.

- Nodes can be of the type: Organization , Product Class  or Product Specification .
- The root node of the tree will always represent the company which owns the catalogues. The company node is Organization type. It has always as children's nodes of the type Product Class which represents catalogues.
- The first level of the tree consists of the catalogue(s) node(s). A catalogue node is of the type Product Class. A catalogue node represent a catalogue in real life.
- Every node within the same level are of the same type, let's say: lines, families, series, etc.
- A node Product Class cannot have as children Product nodes and Product Specification nodes simultaneously.

- The products from a catalogue of real life are represented by nodes of the type Product Specification. Those nodes are always leaves of the tree, besides they always have as parent node one of the type Product Class, so they cannot have children nodes.

In a selected node you could:

- Add other nodes. The nodes of the type Product Specification do not have that functionality as they cannot have children's nodes.
- Modify its information. Each node type has its own characteristics that must be able to be modified at any moment. The level property of the nodes Product class can only be edited in the moment of its creation.
- Delete nodes. Any node of the tree can be deleted. Deleting a node represents the automatic elimination of every children hanging on it.

3.2.7.2. How to represent the value of a property?

The value of a property can be represented using several representation formats. The value can be defined as a numeric value, a word, a group of values, etc.

Next are defined the possible formats able to take a value:

- **Numeric Value.** A numeric value of any type: natural, integer, real, etc.
- **Characters chain.** Any group of alphanumeric values forming a characters chain.

Example:

- Table
- Chair34

***Note:** A property with this type of value, cannot have defined a unit, as only a numeric value can be linked to a unit.

- **Level.** A level is defined as the range determined by a minimum and a maximum value. Both minimum and maximum value are numeric values. To define a level, the value has to be written as [Mín.-Máx.].






Example:

- [10-15]
- [0.45-2]

3.2.7.3. How to insert table-based information?

They are used to present to the user the different elements of the same type, besides they allow the user editing and deleting them, and also inserting new ones.

The following operations are available:

- To add a new row: to do so select the button  Add. A panel will open to introduce the necessary information.
- To edit an existing row: First you select the element you wish to modify. Then you click on the button  Modify. A panel will open with the information regarding the selected row to modify the wished information.
- To delete an existing row: First select the element you wish to modify. Afterwards click on the button  Modify. A panel will open with information regarding the selected row. You have to make sure the showed row is the one you want to delete.
- To finish the operation on the element, click on the button  Accept. To cancel the operation click on the button  Cancel.

Troubleshooting

Since this is an academic version of CADEF, some problems may appear during its usage. The following section of this guide covers the basic troubleshooting, such as common problems people have reported.

[This section is to be updated in every release. For each reported problem make a new sub-chapter]