Introducing:
The Leonardo Software Suite

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ANTÉA – The company

Antéa delivers innovation supported by more than 25 years of experience

- Founded in 1986
- Expert knowledge of publishing standards and technologies:
  - PDF
  - SGML
  - XML
  - **CGM**
  - SVG
  - ATA iSpec 2200
  - **S1000D**
  - DITA
  - etc…

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The Leonardo Suite

Leonardo **S1000D**

Leonardo **ATA**

ti Factory

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Leonardo…
for S1000D & ATA illustrations

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Leonardo

The context : production of 2D illustrations within the Standards of the Aerospace & Defense sectors

Respond to multiple requirements

- Speed-up production and revision cycles
- Guarantee quality of delivered illustrations
- Deliver data in the required file format
- Lower production costs
- Efficiently support user's needs
  - Multi-standards context : ATA & S1000D with variants
  - Authoring and Illustration by the same personnel
  - Off-shore work by non specialized personnel

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ILLUSTRATOR'S CHALLENGES

Set-up its "Standards customized" working environment(s)

- Line Styles, Pens, Text Size and font, Colors
- Use of drawing tools
- Create a library of re-usable "standard" illustrations

Create/Modify Illustrations

- While conforming to Standards and Project Business Rules
- Speed-up time-consuming repetitive series of commands

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LEONARDO… IS THE SOLUTION !

Antéa created Leonardo to cover specific ATA & S1000D illustrations challenges

Leonardo is based on PTC Arbortext IsoDraw

- IsoDraw is the leading Technical Illustration software from PTC
- Seamlessly integrated as an extension application

Leonardo ATA

Leonardo S1000D

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Profiles corresponding to the chosen project

- S1000D – any version

A Leonardo Profile contains

- Attributes definition (pens, texts, colours)
- Image area definitions
- ICN/GNBR format rules
- Hotspot naming conventions
- Export format definition

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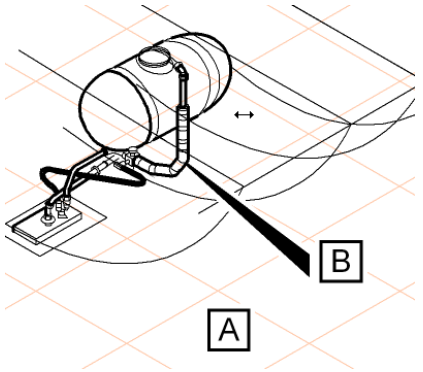
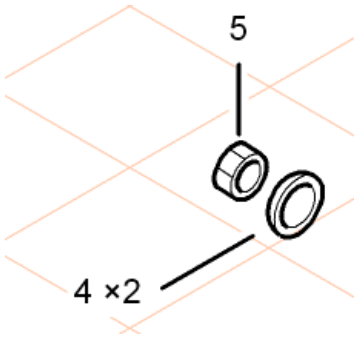
Define the navigation

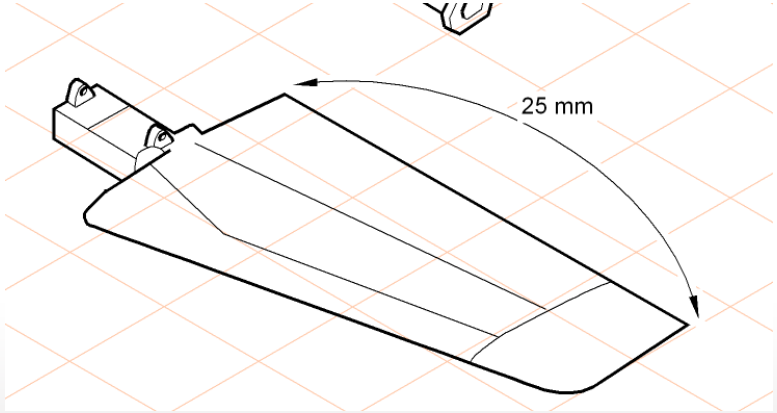
- Views
- Locators
- Sections





Define callouts

- Simple callouts
- Complex callouts



Information tools

- Dimensions
- Extraction arrows

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LEONARDO S1000D – SPECIFIC FEATURES

- Supported default Profiles : all S1000D versions
- Profile definitions stored in a XML file
- Capability to create your own Profile, for implementation of project Business Rules
- Dynamic loading of the Profiles
- Enhanced Error reporting
- **Leonardo S1000D Demo**

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The Leonardo Suite

Leonardo **S1000D**

Leonardo **ATA**

ti Factory

Designer

Express

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ti Factory

- **The high performance multi-level validation tool for CGM based technical graphics**
  - Checks every part of the CGM file.
  - Its multi-level validation engine digs deep into the core ISO CGM, then each nested profile then the business and style rules.
  - Batch process entire folders of files from your desktop, then receive a comprehensive validation report in the format that suits your needs.
  - Automatically correct some types of CGM and style errors.
- **Plug and Play Profiles for CGM validation**
- **Built-in support for Web CGM plus nested profiles**

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TI Factory versions

Express

- Check the validity of any CGM file against any active profile
- Check Business and Style rules
- Visual error display
- Advanced error reports
- LiveLink integration with illustration tools

Designer

- As Express plus
- Create your own validation workflow
- Distribute validation rule packages
- Optional command line version

Ti Factory Demo

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CONCLUSION - BENEFITS OF THE LEONARDO SUITE

Substantially reduce production costs

Improve quality of delivered data and minimize rework

Shorten production and revision cycles

- Ability to verify the illustration conformance to the Standards

Optimize production workflow

- No deep knowledge of the required specifications
- Products for “non-expert (ATA or S1000D) illustrators”

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Thank you for your attention

Any Questions?

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