CAD-tools overview

We support our clients using some high-performance CAD tools emanating from different planning systems. When creating such tools we always aim at simplifying planning considerably and at saving time for the client.

Construction tools for the following CAD programs are available:

1. AutoCAD
2. AVEVA PDMS – projects
3. AVEVA E3D – projects
4. Intergraph SP3D – projects
5. Intergraph PDS – projects
1. **AutoCAD library of components (version 10)**

   Our AutoCAD library of components gives aid to all users planning with AutoCAD or compatible systems. The library is available for all versions starting with AutoCAD 2000 (up to 2006 included). It can also be used by all CAD users who are able to open AutoCAD files (3D dwg-files).

   The components are constructed as blocks in 3D. Details of the components are restricted in favour of a small file size so that more complex planning is possible.

2. **modular4D – CAD version 7.1 for AVEVA PDMS – projects**

   Our tool for AVEVA PDMS helps you to place ModularSteel 120, ModularSteel 80 and ModularSupport in PDMS projects. Starting with version 3.1, an ATTA making sure that the SBFM is linked to the pipe and a Typical Library are part of the tool.

   A LICAD – binding in the design allows a quick choice and representation of load chains. Drawings are created automatically using DRAFT. The surrounding (hanger, load chains and so on) can be shown for your information.

   A placing of pipe supports type GLV, U-bolts type RGS and clamp systems are possible.

   The tool is based on a PDMS version 11.6, 12.0 and 12.1

3. **modular4D – E3D for AVEVA E3D – projects**

   Our tool modular4D- E3D was already tested.

   The tool can be delivered in case of need within four weeks.

4. **modular4D – SP3D for Intergraph SP3D – projects**

   For Intergraph SP3D – projects we have a data bank with parts and assemblies for the product groups ModularSteel 120, ModularSteel 80 and ModularSupport.

   The ModularSteel assemblies are based on the typical system steel construction and their matching load data. The pipe holding assemblies contain sliding supports, guide supports and anchors of the ModularSupport – product group and their load data.

   System requirement is an Intergraph SmartPlant 3D version SP3D V2009.1 or V2011, V2014R1, V2016
5. various support tools for Intergraph PDS – projects:

I. **BMS-CAD version 3.00.02 as a „stand-alone version“ for Intergraph PDS projects (de / en)**

Includes system steel construction **ModularSteel 120** and **ModularSteel 80**. Applicable under the following project surroundings:

<table>
<thead>
<tr>
<th>Requirement</th>
</tr>
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<tbody>
<tr>
<td>MicroStation J</td>
</tr>
<tr>
<td>version 07.01.05.03 or higher</td>
</tr>
<tr>
<td>PDS from version 7.0 - 11.x (only WIN XP with 32 bit possible)</td>
</tr>
<tr>
<td>Oracle 7.2 – 10g</td>
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<tr>
<td>PDS version 12.00 (only WIN XP 32 bit possible)</td>
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<tr>
<td>server / client:</td>
</tr>
<tr>
<td>Oracle 10g R2 32.bit (10.2) server / Oracle 10g R2 32 bit client</td>
</tr>
<tr>
<td>Oracle 11g R2 64.bit (11.2) server / Oracle 11g R2 32 bit client</td>
</tr>
<tr>
<td>BMS-CAD Version 3.00.00 oder höher</td>
</tr>
<tr>
<td>PDS-project with ModelDraft / FWP-steel construction / speedikon (version 5.6) company IEZ</td>
</tr>
<tr>
<td>Compatible to SUcad+ 4.00.xx, SUcad+ Piping 4.00.xx</td>
</tr>
</tbody>
</table>

II. **BMS-CAD – plugin for SUcad+**

Includes system steel construction **ModularSteel 120** and **ModularSteel 80**. Applicable under **SUcad+ version 4.00.xx or higher (WIN XP 32bit / WIN 7 64bit)**

III. **Bernecker_RDB – Reference data (version 1.0.0.3_D) for PDS**

Pipe supports by means of **Intergraph Pipe Support Modeler** provide. The tool contains pipe supports of the **ModularSupport** product family as well as standard pipe supports as for example GLT-100, GLY-100, PK-RSB, etc. Other pipe supports are fast complemented according your request.
This tool is written as Eden program. The program strings can easily be placed in your existing Eden program code.
Compatible from **Intergraph PDS version 7.2 and higher.**
IV.  *Bernecker Modular Steel for PDS*

The tool contains the ModularSupport product family as other configuration according your request. The following Typicals are developed:

- **Modular Steel 120**: U61, U62; U64; U66; U67; U68; U71
- **Modular Steel 80**: UL61, UL64; UL66; UL67; UL68; UL71

The Tool is available in **Metric** and **English UNITS**.

This tool is written as Eden program. The program strings can easy placed in your existing Eden program code.

Compatible from **Intergraph PDS** version 11 and 12.

It is our pleasure to support you also with your preferential CAD – tool, don’t hesitate to contact us for it.

[www.modular4D.com](http://www.modular4D.com)