

Other DDS-CAD Solutions:

DDS-CAD Electrical:

- Complete Installation Planning
- Intelligent Installation Systems
- Integrated Lighting Calculations
- Cable/Circuit Calculations
- Intelligent Circuit Selection
- Circuit Dimensioning
- Photovoltaic Equipment
- Automatic Circuit Diagrams
- Board Lists and Testing Protocols
- Overview Diagrams
- EIB/KNX Line Diagrams
- PLC Card Tables
- Data and Network Systems
- Distribution Board Layouts 2D/3D
- Lightning Protection Plans in 2D/3D

DDS-CAD Mechanical:

- Designing Plumbing & Heating
- U-Value and Heat Load Calculations
- Heat Emitter Design
- Pipe Sizing
- Underfloor Heating Design
- Cold Water Calculation
- Solar Equipment
- Designing Air Conditioning/Ventilation
- Flexible Construction of Duct Systems
- Intelligent Connection of Components
- Circular, Oval and Rectangular Ducts
- Duct Network Sizing
- Pressure Loss Calculations
- Automatic Duct System Documentation

Tailor-Made Solutions for:

Engineering and Planning Offices

Installers

Energy Consultants

Industry

Maintenance

Training

Your Added Value - Your Security:

Multi-discipline Planning and Simulation

Intelligent Data Transfer with IFC/buildingSMART

Multi-discipline Control Functions

Extensive Documentation

Standards Based Calculations

Thorough Error Checking

Reliable Material Lists

Interface with Costing Systems

Excellent Marketing Tool for more Lucrative Contracts

Maintenance by Specialist Engineers

Over 25 Years of CAD Experience

Corporate Headquarters
Data Design System ASA
Øksnevad Næringspark
N-4353 Klepp Stasjon
Norway

Tel.: + 47 (0) 51 78 89 00 info@dds.no
Fax: + 47 (0) 51 78 89 01 www.dds.no

German Subsidiary
Data Design System GmbH
An der Hansalinie 48-50
59387 Ascheberg/Westf.
Germany

Tel.: + 49 (0) 2593 - 919 966 info@dds-cad.de
Fax: + 49 (0) 2593 - 919 964 www.dds-cad.com

DDS-CAD PV



Plan • Calculate • Simulate • Document



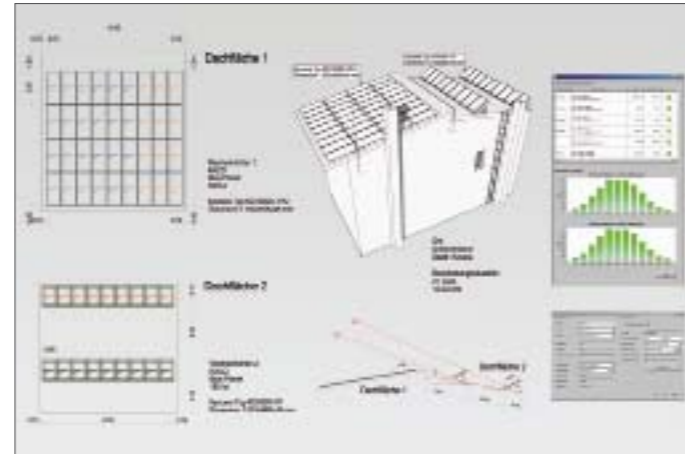
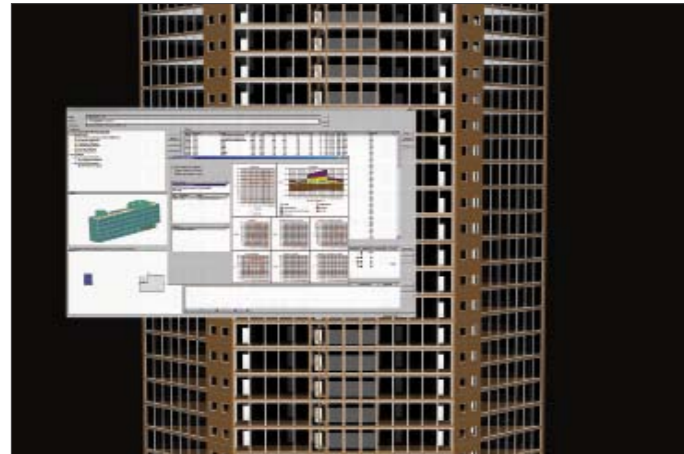
DATA DESIGN SYSTEM®

PV-Planning without Compromise:

While many solutions for PV systems planning only cover parts of this complex issue, DDS-CAD PV offers a comprehensive variety of services.

With DDS-CAD PV you can flexibly plan photovoltaic systems in 2D and 3D, whether they are in-roof mounted, roof or facade mounted or in open space. The software allows the photorealistic

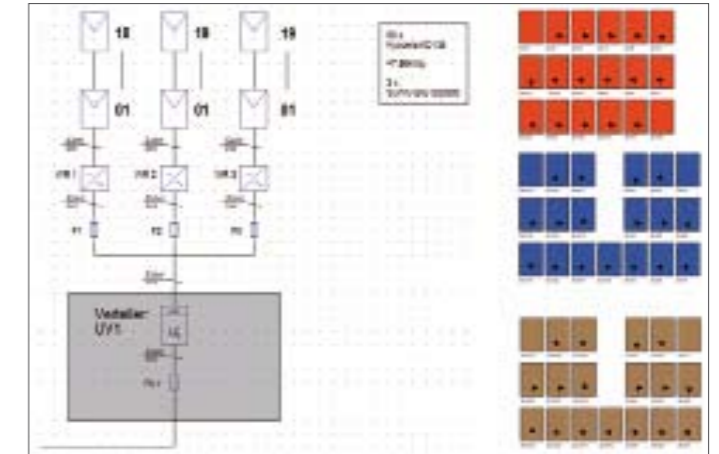
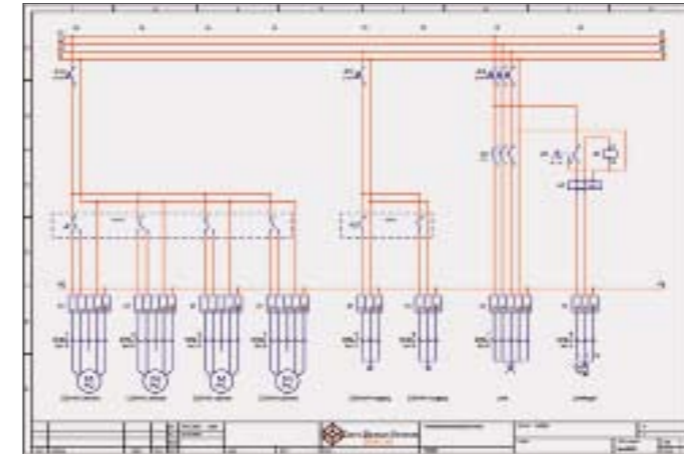
representation of the project, including the simulation of sun and shading due to interfering objects. This simulation can be presented using static images or as an animated movie. With these options you have a good basis for the decision on the optimal placement of the PV modules. In addition, you can provide fascinating visualization presentations while advising your clients.



Once you have completed your plan, DDS-CAD PV allows you to effortlessly create the BOQ/BOM for your project that you can pass to your job costing software. Naturally, roof layout plans, field layouts, circuit plans and assembly drawings are created quickly and easily. Consequently, the system documentation and the detailed design documents for the technicians are already available in tandem with the planning.

Additionally, with the fully integrated plug-in "Polysun Inside" you can create a yield calculation, automatic assignment of the inverters based on a comprehensive module and inverter database.

Of course you can also use DDS-CAD PV to plan wiring and installation systems, and to develop circuit diagrams. For this purpose an appropriate package of services are available.



At a glance: the main features DDS-CAD PV

Compatibility

- Runs on Windows 2000, XP, Vista and Windows 7
- Import and Export from DWG, DXF, 3DS, BMP, JPG and more
- Fully Integrated, powerful DWG/DXF-Editor including "Copy & Paste"

The 3D Building Model

- Floor plans and buildings are quickly, simply and flexibly created
- Intelligent creation of roofs and dormers including chimneys and rooflights
- Automatic room generation from DWG/DXF plans (incl. windows, doors, room labels)

Intelligent PV-Planning

- High-quality, flexible planning of PV systems in 2D and 3D
- Installation and implementation planning including fixing systems
- Simulation/visualization of the sun study and the shading by interfering objects
- Photo realistic presentation with sun animation and video creation
- Flexible system design: roof-mounted, in-roof, facade installation, open space
- Roof surface occupancy, equipment layouts and circuit diagrams
- Freely definable sections, elevations, wall arrangements and cutouts
- Customisable material lists structured by building, title, room, circuit etc...
- Interface to many job costing and estimating packages, plus export to Excel and Word
- Output of the drawings in DWG, DXF and PDF
- Scalable printing and plotting output

Polysun Inside

- Integrated database with global climate data from over 8,000 weather stations
- Calculation of weather data for custom locations
- During the simulation: Update to Sun's position every 4 minutes
- Extensive shading analysis
- Comprehensive, current manufacturers database for PV modules and inverters
- Automatic inverter assignment for defined PV fields
- Yield forecasting on the basis of dynamic simulation and module warming
- Dimension/customise PV modules, for example, by module size/orientation
- Automatic visualization of simulation results

Advanced Electrical Planning

- Comprehensive calculation and planning functions for the electrical wiring
- Planning of cable trays, trunking and ladder, conduit planning and sizing
- Preparation of overview diagrams, ZVEH verification protocols and single-pole circuit diagrams
- Automatic cable and circuit length calculation and control (e.g. for data cables)
- Numerous other electrical design and planning functions

Would you also like to perform the entire electrical and mechanical services planning with DDS-CAD? Data Design System offers the best MEP planning packages currently available. Contact us for more information.