

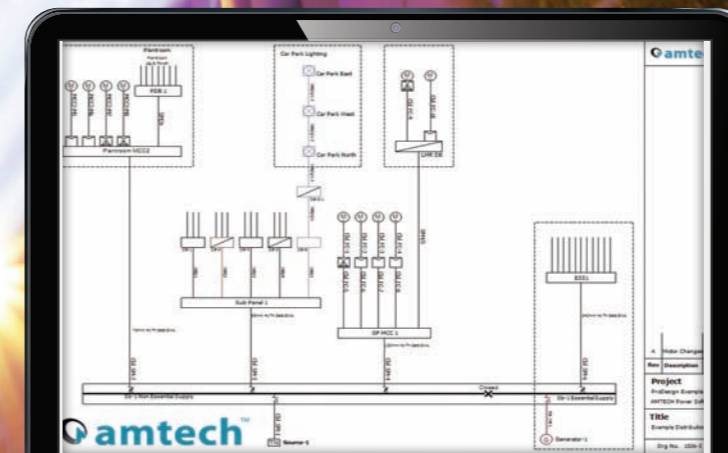


UK's Leading Electrical Design Software

ProDesign Electrical Design Software

ProDesign is the UK's leading Electrical Design Software which provides full electrical design and calculations to BS 7671

ProDesign



ProDesign is the UK's leading electrical design software which provides full electrical design and calculations to BS 7671. This is a powerful, engineer-friendly software that is ideal for projects of all sizes, from houses to airports. ProDesign's many design options provide total control from initial design through



Fast and accurate design calculations



Email reports and schematics to clients as PDFs



Integration between design & co-ordination



Synchronisation between Revit & ProDesign



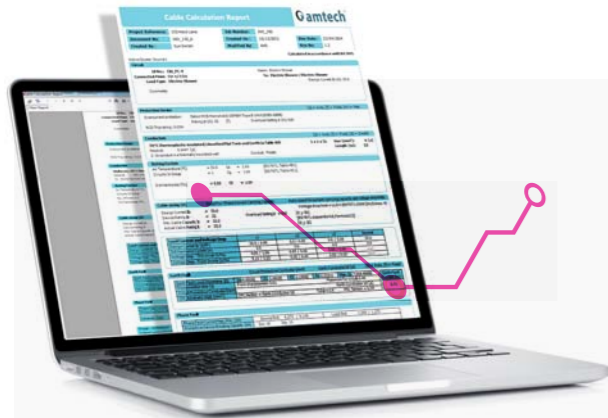
Model projects with a static UPS



Available in 6 different versions

Load Summation and Cable Sizing

ProDesign automatically sums the loads throughout a project, applying user controlled diversity settings where defined. ProDesign calculates the required cable or busbar current carrying capacity for each circuit in the design using the procedures described in BS 7671 Appendix 4. The software can be configured to automatically suggest an appropriate conductor size or check the suitability of a manually selected conductor.



Voltage Drop

The voltage drop calculations in ProDesign are designed to assist the user in complying with the requirements of BS 7671. ProDesign can automatically enforce the voltage drop limits stated in Appendix 4 Section 6.4. Alternatively, user derived voltage drop limits can be applied.



Line and earth fault adiabatic checks

Adiabatic calculations are required to check that the cross-section of all conductors are sufficient to withstand the energy let-through of the circuit protective device fault conditions. ProDesign automatically performs adiabatic checks. Manufacturer sourced energy let-through characteristics are used to ensure accuracy.



The fact that Amtech's support staff are electrical engineers who understand what we need to do with the software is an invaluable resource.
Arup

Amtech's ProDesign is the best electrical design package available within the market place.
Intech UK

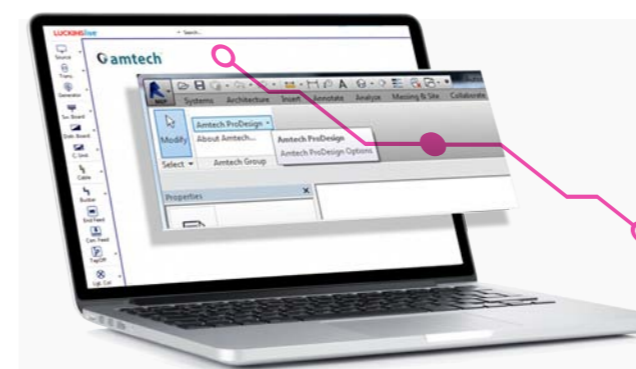
Discrimination checks

The discrimination checks ensure that, wherever a fault might occur in the network, the protective device nearest the fault will operate to disconnect it rather than the next device upstream. Two methods of discrimination check, energy-based and time-current, are available. Manufacturer sourced characteristics are automatically overlaid to check for time/current discrimination issues. Manufacturer published discrimination tables are used to detect energy-based discrimination errors.



Links to Autodesk Revit

Circuit information defined in Autodesk Revit can be exported to ProDesign to create an outline electrical schematic. The tools in ProDesign can then be used to perform comprehensive design calculations. The results calculated by ProDesign can be returned to Revit and associated with the relevant circuit components in the original Revit model. The ProDesign generated shared parameters can be used within Revit to enhance Panel Schedules.



Protective Device Selectors

Contains the UK's largest range of fuses, circuit-breakers and relays. These are defined with manufacturer approved data to ensure complete accuracy. We continuously update the database to include new protective device products as soon as they are released. We also provide a comprehensive selection of cables and manufacturer specific busbar ranges.



Features

Features List

Fast and accurate design calculations to BS 7671:2008 (2011)

Produce single line schematic designs quickly and easily

Design new or verify existing installations

Produce 'What if' scenarios

Links to AutoDesk Revit MEP 2013/2014/2015

Comprehensive range of over 16,000 manufacturer protective devices

Range of manufacturer busbars

Extensive load type list including lighting loads

Multiple earthing options

Comprehensive range of high quality reports

Bi-directional link to Protect LV

UPS Modelling

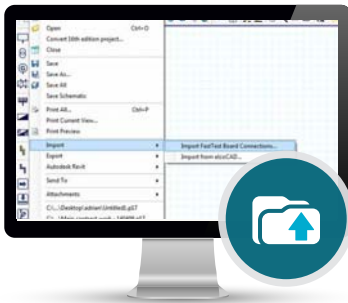
Save reports and schematics as PDF files

ISO9001 Accredited development

Plus an endless list of smart features

Scalable to suit any project

Integration



FastTest

FastTest can export the board layout and load details to ProDesign.



Protect

Can be used for the study of over current discrimination, as well as the setting of complex adjustable protective devices.

Support

Customer service and satisfaction is our number one priority! We provide a range of services to make using our products as easy and straightforward as possible. Amtech customers know they can get friendly help and advice quickly, allowing them to get on with their job.

