

**SOLIDSOLUTIONS**  
SUPPORTING EXCELLENCE

# DriveWorks Professional Consultancy Solutions and Services



Professional Services



# SUPPORTING EXCELLENCE

## CONTENTS

INTRODUCTION .....	4
BUSINESS BENEFITS .....	6
SOFTWARE DESCRIPTIONS.....	8
Single User Products .....	8
DriveWorksXpress .....	8
DriveWorks Solo.....	9
Multi User Products .....	11
DriveWorks Pro Modules.....	12
DriveWorks Pro (Administrator).....	14
DriveWorks Pro (Autopilot).....	15
DriveWorks Pro (User) .....	16
DriveWorks Pro (Live).....	18
DESCRIPTION OF SERVICES .....	20
Professional Product Training .....	21
Subscription.....	22
Certification Program .....	24
PROFESSIONAL TRAINING SOLUTIONS .....	26
PROFESSIONAL IMPLEMENTATION SOLUTIONS .....	28
Professional Training & Implementation Solutions .....	31
INTEGRATION SOLUTIONS.....	32
HARDWARE.....	34
PROFESSIONAL SERVICES TERMS AND CONDITIONS.....	35
NOTES.....	36

This document details our offerings and proposed implementations of DriveWorks for Solid Solutions customers. These phased style assist methods are proven solutions that allow users to become productive within the shortest time frame possible. With this approach, you gain the vast experience from our professional services team during both, the initial development and further expansion.

All the potential professional services supplied by Solid Solutions are detailed in this booklet.

DriveWorks is a rules-based software and within every SOLIDWORKS licence, DriveWorksXpress is included. Ideal where all designs and projects you work on are 'the same but different'. This is also known as a KBE system, Knowledge Based Engineering. It is widely used in many industries from trailers to conveyors, furniture to machinery, mechanical seals to pressure vessels, windows & doors and much more.

Providing a Sales Configurator / CPQ Solution for your sales team, distributors and even customers, can be a very powerful sales tool. Use it to guide non-technical people through the custom options available, provide a fast response to sales enquiries and configure accurate quotes quickly. Whether your engineers and sales teams are in house, out in the field, or you work through dealers and distributors, a sales configurator will let you create custom designs and a custom response professionally.

# BUSINESS BENEFITS

Leverage all levels of the software to save time, reduce mistakes, improve time to market and to ultimately reduce design costs.



- Leverage the most from your product to gain efficiency.
- Reduce (or in some cases eliminate) repetitive design tasks.
- Provide you (the customer) with the know-how to maintain, improve and develop the system to suit your business requirements.
- Reduce cost of design engineering.
- Improve response to sales enquiries and time to market.
- Allow you more time to improve on product development and innovation.
- Run automation 24/7.
- Guide standard designs within manufacturing limits.
- Generate instant quotations, BOMs and other non CAD documentation.
- Allow more design time for the non standard "value add" designs.

# SOFTWARE DESCRIPTIONS

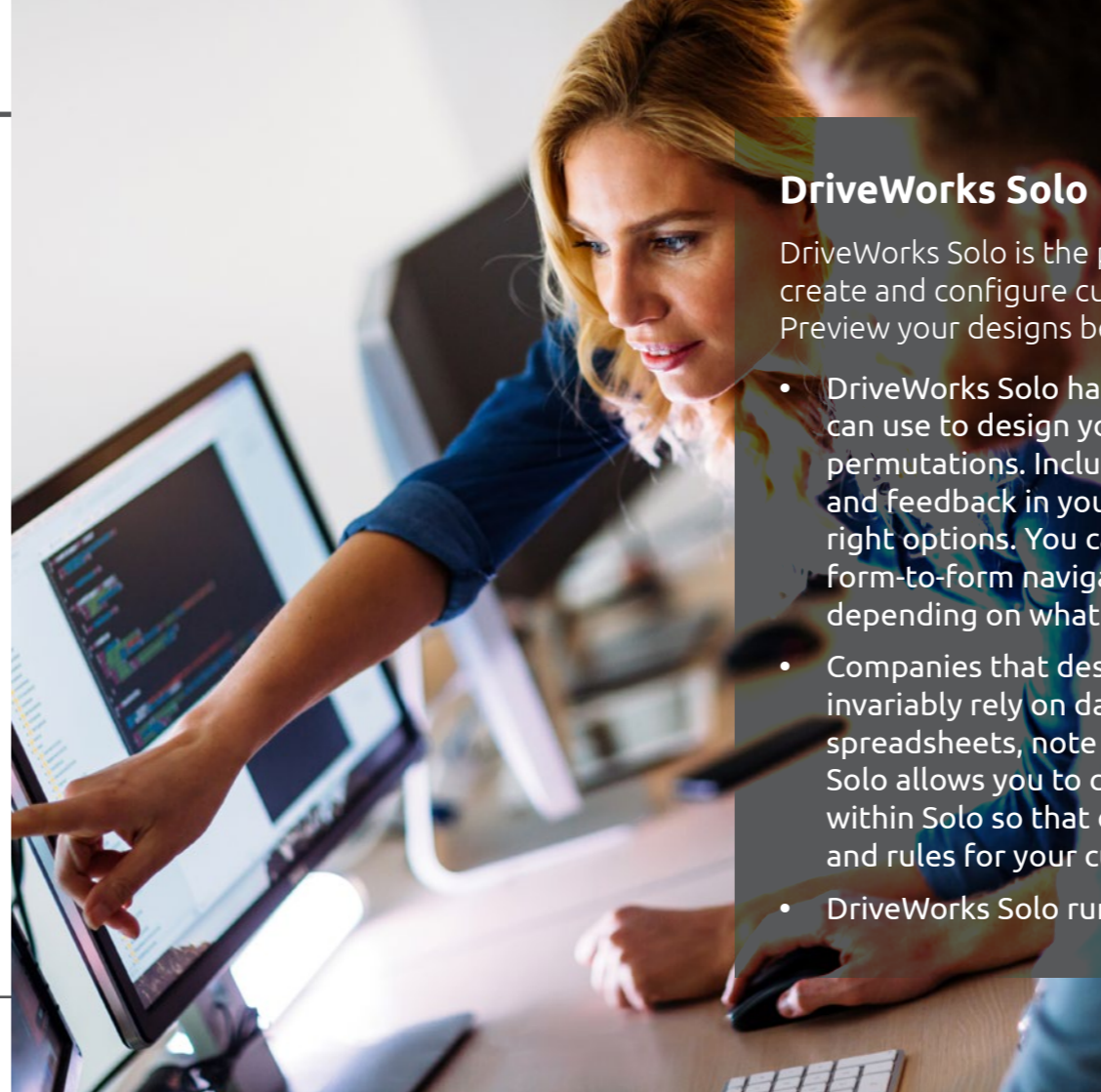
## Single User Products

Either of the single user DriveWorks modules can be up-scaled to a higher platform so any configuration work can be reused to further your automation requirements.

### DriveWorksXpress

DriveWorksXpress is ideal for everyday repetitive design tasks. Use it to create multiple variations of SOLIDWORKS Parts, Assemblies and Drawings quickly and accurately.

- Free product that is included in every licence of SOLIDWORKS.
- Entry-level Design Automation inside SOLIDWORKS.
- Ideal for everyday repetitive design tasks.
- Saves you time and minimises costly errors.



### DriveWorks Solo

DriveWorks Solo is the perfect solution for the single user to create and configure custom products inside SOLIDWORKS. Preview your designs before finalising them.

- DriveWorks Solo has an inbuilt Form Designer, which you can use to design your own forms and configure valid permutations. Include images as well as guidance messages and feedback in your form making it easier to select the right options. You can even add your own rules-based form-to-form navigation to move quickly through forms, depending on what options are selected.
- Companies that design and manufacture custom products invariably rely on data that exists in other company systems, spreadsheets, note books, co-workers' heads! DriveWorks Solo allows you to capture that information and save it within Solo so that data can be reused on your project forms and rules for your custom designs.
- DriveWorks Solo runs within your SOLIDWORKS software.



## Multi User Products

With DriveWorks Pro you can create a Custom Configurator that **anyone** can use. Use DriveWorks locally or on the web to configure custom designs quickly and easily.

It is ideal for **any** business involved in order-specific designs. DriveWorks will generate Manufacturing Drawings, 3D Models and Sales Documents accurately and automatically.

With DriveWorks Professional you can be sure to have a competitive advantage and turn mass customisation into a cost-effective scalable business strategy.

DriveWorks has allowed us to automate the routine processes that we undertake day in and day out, with traditional bridge design. This automatic creation of models and drawings rapidly improves the turnaround time to reach sign-off on designs and makes all downstream benefits possible.

Dr Scott McGovern, Digital Engineering Lead, Laing O'Rourke

## DriveWorks Pro Modules

- DriveWorks Pro is structured into individual software modules, each designed to address specific business needs. Modules can be added as and when you need them to extend the benefits of design automation to your engineers, sales teams, distributors, dealers, and customers.



**ADMINISTRATOR**  
Set up and manage your configurator project. DriveWorks Administrator can be used with or without 3D CAD.

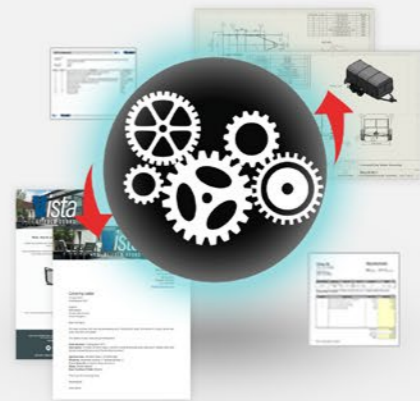


## Configure



**LIVE and/or USER**  
Enter order specific requirements using DriveWorks Live in a web browser or DriveWorks User locally.

## Automate



**AUTOPILOT**  
Generate file outputs and send emails using DriveWorks Autopilot.

## Results

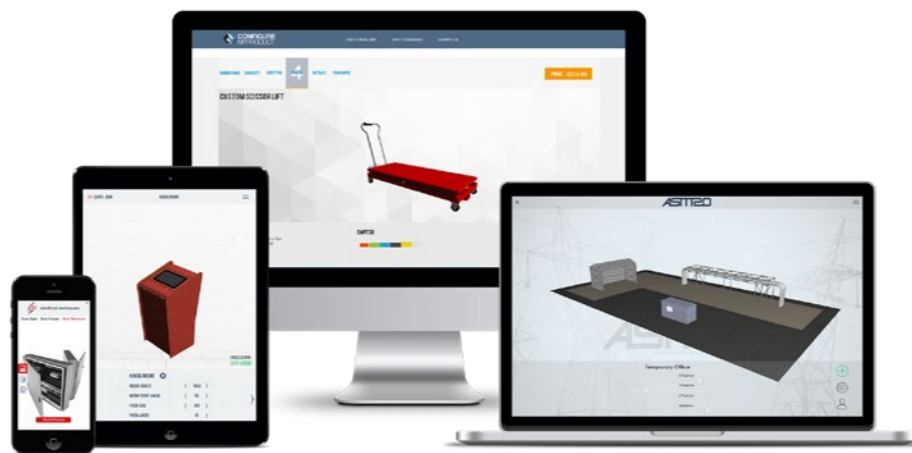


DriveWorks can be used to create all of the manufacturing files and sales documents automatically.

## DriveWorks Pro (Administrator)

DriveWorks Administrator is the core module of DriveWorks Pro where you configure, test, run and control user access to your design automation projects. With an easy to use interface, process-oriented workflow, built-in templates to get you started. DriveWorks Administrator simplifies your design automation tasks and gets you up and running in no time.

- Author, manage, test, run, and control user access to your design automation projects.
- Create interactive and responsive input forms with 3D preview and database query controls.
- Create documents in many common file formats.
- Connect to external data sources.
- Create Macros and Specification Flows to perform pre-defined tasks automatically.
- Manage multiple DriveWorks Autopilot machines.



## DriveWorks Pro (Autopilot)

DriveWorks Autopilot is a hands-free design automation engine that runs unattended on dedicated workstation(s) 24 hours a day, 7 days a week. This automatically generates custom designs and documentation for engineering, manufacturing and sales.

- Automatically generates custom product data and associated documentation for engineering, manufacturing and sales.
- Generates 3D model data for viewing configured products in a web browser with DriveWorks Live.
- Provides instant quotes for sales and enables engineers to focus on other productive work.
- Creates 3D models and 2D drawings when configured with a dedicated licence of SOLIDWORKS.
- Automatic email notification to users when jobs are complete, or require attention or further work.

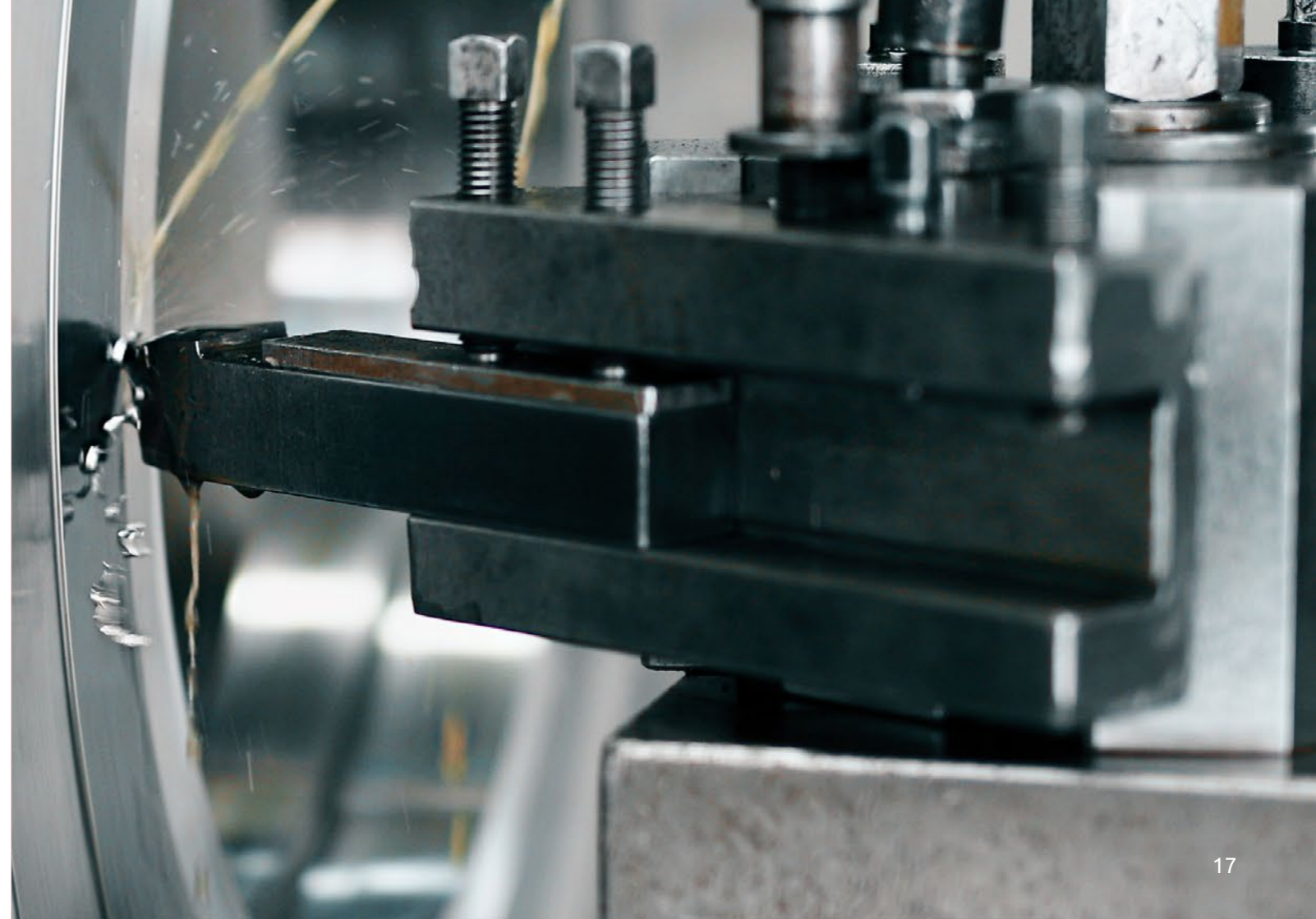


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## DriveWorks Pro (User)

With DriveWorks User, your engineers, sales or other non-technical users within your business can run your design automation projects. Configure your custom products and generate all your sales and manufacturing documentation automatically.

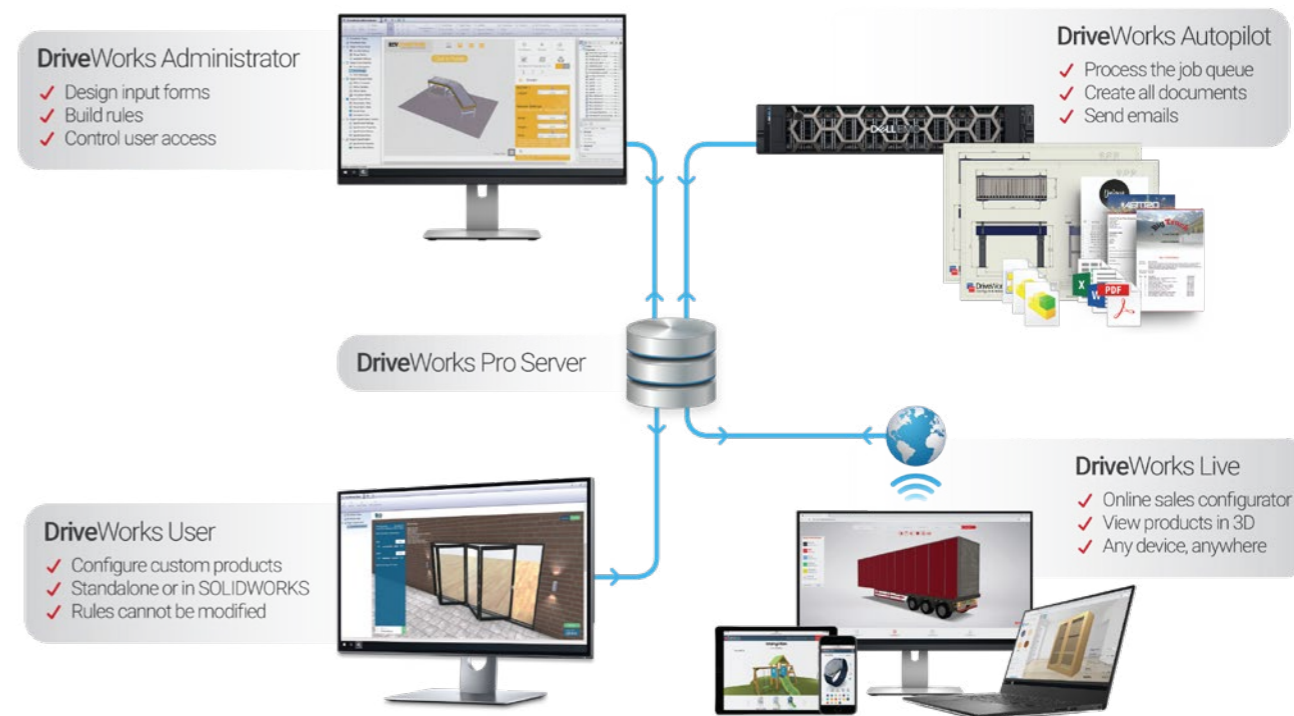
- All design automation and sales configurator projects are controlled centrally using DriveWorks Administrator and protected from unauthorised use and modification.
  - Enables engineers, sales teams and other non-technical users to configure custom products.
  - Enables products to be configured inside SOLIDWORKS or in the standalone application.
  - Prevents unauthorised use of design automation projects and modification of design rules.
  - Automatically generates customised products and documents when used in conjunction with DriveWorks Autopilot.
- 



## DriveWorks Pro (Live)

DriveWorks Live enables your sales team, distributors, dealers and customers to configure your custom products on any device with a web browser.

- Showcasing your entire range of product options online enables your customers to configure their product selection, get instant quotes, accurate delivery dates and even place their orders with little or no input from sales.
- With DriveWorks Live, no additional effort, web programming skills or consultants are required to transform your existing design automation projects into online sales configurators, enabling your sales teams, distributors, dealers, and customers to easily configure and view your products in 3D on any device with a modern web browser.
- Reuse your existing design automation projects.
- Integrate into your existing company website.
- Harness the power of the internet to win more business and increase profits.



## Professional Product Training

As part of our professional training program we recommend all new users attend the Essentials Training (DriveWorks Solo or Professional). These are instructor-led classroom courses delivered by Solid Solutions.

The training covers the core concepts:

- Automation Concepts
- Rule Writing
- Form Design
- Workflow
- Model Preparation

We understand users can only absorb so much information at once, so we allow the DriveWorks Professional Advanced course to be attended at a later date when they become more proficient with the software.

The advanced training covers skills required to further your projects.



DESCRIPTION OF SERVICES

## Subscription

Having your DriveWorks assets maintained on our subscription support contract gives you access to a wealth of resources including:

- Tech Team Thursday Webinars
- Technical Webinar Library
- DriveWorks Forum
- Technical Tips



Learn DriveWorks with bite size videos (How to?) Each video is 2 to 3 minutes long, so you can learn at your own pace. Great for:

- Refresher training
- Pre-classroom training
- Further your skills
- Specific topics

Visit the online help whenever you need it. Where you will find best practices and solutions on the whole professional suite with a simple to use search.

<http://docs.driveworkspro.com/Topic/Welcome>

Full telephone, email and web-based remote support with Solid Solutions is identical to all other subscription services we provide. A single software vendor for your SOLIDWORKS and DriveWorks software. You will have access to the most qualified support team in the world.

Better knowledge means better output and optimal efficiency.

## Certification Program

(CDWXA)

Become a Certified DriveWorksXpress Associate to improve your SOLIDWORKS skills, work smarter and make your engineering résumé stand out from the crowd.

This certification is free to anyone with a licence of SOLIDWORKS and can be completed in a morning.

(CDWPC)

Become a Certified DriveWorks Professional by demonstrating your technical ability to use DriveWorks Professional.

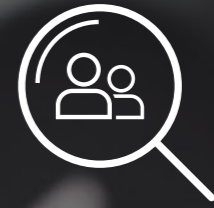
Usually offered at DriveWorks World which takes place once a year.

QUALITY



### Quick & Easy

Complete the DriveWorksExpress Certification in under 3 hours



### Improve Your Résumé

Gain the skills employers are looking for that go beyond your degree



### Completely Free

Get certified for free if you already have a licence of SOLIDWORKS

## PROFESSIONAL TRAINING SOLUTIONS

Just like all other classroom training, we provide a number of courses to stage the learning process and to accompany the software on offer. All courses can be found online at:

[www.solidsolutions.co.uk/  
solidworks-Training](http://www.solidsolutions.co.uk/solidworks-Training)



We want all our customers to be successful with the products and the training we provide is a fundamental step in doing so.

The essentials Training will cover driving SOLIDWORKS Part And Assembly Geometry with DriveWorks. Create DriveWorks user forms and link them to the models. Write rules that determine how a model is driven and modify a drawing appearance based on rules. Create documents based on rules and configure the flow of file generation.

With DriveWorks Pro, we offer an advanced course to cover advanced form controls & buttons and work with the advanced tables available within the software.

For those customers utilising DriveWorks Pro who do not intend to link to CAD, we offer an Essentials Training course. This will cover the basics but mainly focus on driving documents.

For more information, please visit:

[www.solidsolutions.co.uk/solidworks-Training/Courses/Partner-Products](http://www.solidsolutions.co.uk/solidworks-Training/Courses/Partner-Products)



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