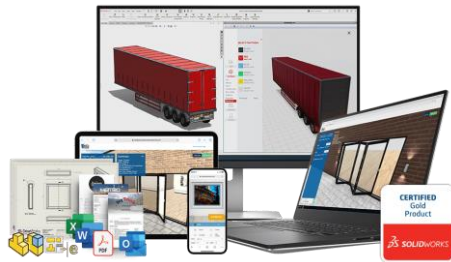


## BEACON Newsletter - October 2024

### Automate Your Designs, Accelerate Your Success with DriveWorks



Being In the face of numerous challenges, working smarter and quicker rather than harder is how Product development, architecture, Furniture, engineering manufacturing, HVAC and construction firms can stay competitive. Automation and customization is one way to achieve this, with customized design and production workflows.



To help or to overcome the challenges with an easy and familiar manner, SOLIDWORKS is integrated with the DRIVEWORKS, a software

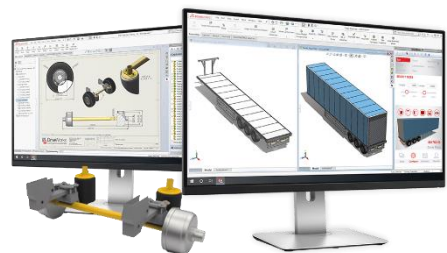
tool which helps the user who are seeking ease of work of Reduce repetitive tasks and documentation while dealing with similar but different product designs or projects. DRIVEWORKS is an Add-In in SOLIDWORKS. As it uses SOLIDWORKS User Interface, user won't feel any detachment from SOLIDWORKS Software.

DriveWorks automation helps organization to Reduce repetitive tasks, eliminate errors, increase sales and deliver custom products in record time. it gives you the toolset to build your own automation for SOLIDWORKS Parts, Assemblies, and Drawings as well as supporting documentation (Proposals, Emails, Manufacturing data etc.). Once the configurator is built it can be shared internally or externally with desktop application, web, and even mobile access. DriveWorks's scalable solution is an automation fit whether you need to generate slightly different tooling for each project or want to provide your customers a rich web-based sales configurator.

#### Key features and capabilities:

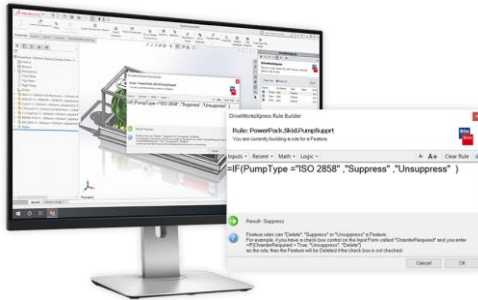
- **Capturing your Design Data:**

DriveWorks shows up as an add-in into the SOLIDWORKS Task Pane. It allows you to capture all the elements from SOLIDWORKS Parts, Assemblies, and Drawings that you will control in your DriveWorks Project. Capturing means that those elements are controllable via rules and could change based upon user inputs.



In SOLIDWORKS Parts you can capture Dimensions, Features, Custom Properties, and even file formats you may save the generated model as (PDF, DXF, DWG, etc). In SOLIDWORKS Assemblies you can capture and drive instances and replacement models and in SOLIDWORKS Drawings you can capture sheet information, notes, annotations, and even view scales and positions.

- Rules Builder:**



With the intelligent DriveWorks Rules Builder, you can establish robust links between input controls and captured parameters by defining your design knowledge through mathematical formulas and logical statements. By utilizing standard Excel functions, you can create

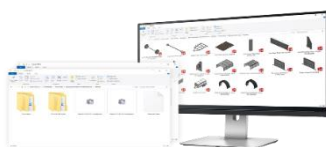
dynamic and adaptable designs, while employing intelligent file naming conventions helps build a comprehensive library of components. This streamlined approach enhances efficiency and consistency in the design process, allowing for greater customization and easier management of architectural components.

- User Inputs & User Interface:**

DriveWorks has an inbuilt form designer to create user-friendly input forms for your projects. You can create multiple forms, guiding your end user through the different inputs needed to generate SOLIDWORKS models and supporting documentation. Form Controls range from simple text input boxes to complex and dynamic drop lists; even linking to external databases. You can also setup your forms to adapt to the screen size being used. Whether on a Desktop, Tablet, or Phone you can create a consistent and branded end user experience.



- File Formats & Save Location:**



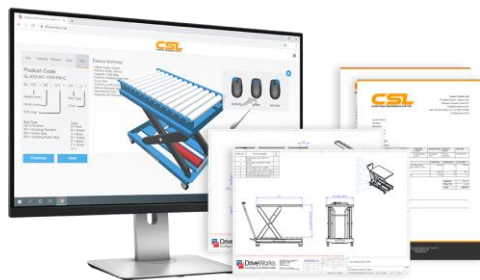
DriveWorks provides You the full control over the file naming, save location and folder structure of files created by DriveWorks. Automatically create any additional file format available in SOLIDWORKS.

- Customizable Documents:**

DriveWorks automates the creation of various document types, including Microsoft Word, Excel, and HTML files, allowing you to generate custom-branded quotations, covering letters, delivery notes, and bills of materials (BOMs) effortlessly. It can also save SOLIDWORKS parts, assemblies, and drawings in multiple formats such as eDrawings, DXFs, and PDFs. Additionally, you can automatically send emails with generated documents and approval drawings attached, and create BOMs, cut lists, and supporting documents for manufacturing, streamlining your workflow and enhancing efficiency.



- Online Visual Sales Configurator:**



Empower your sales teams, distributors, and customers to configure custom products from any device, anywhere, effectively connecting sales and manufacturing to reduce costs, errors, and lead times. DriveWorks is optimized for all

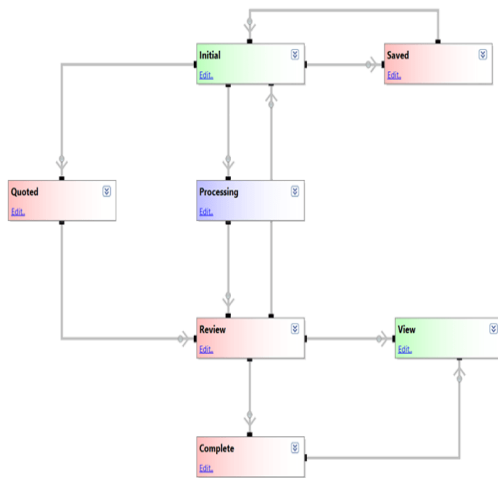
browsers and devices, making it simple to integrate into your website. Additionally, you can control user access and security settings, ensuring that the configuration process remains streamlined and secure.

- Integrate with other company systems:**

DriveWorks simplifies the secure exchange of data between your systems, including ERP, MRP, and CRM, effectively reducing manual data entry and minimizing costly errors. You can query data directly from your CRM, pass essential information to other company systems, and benefit from dedicated integration with SOLIDWORKS PDM, enhancing overall efficiency and accuracy in your processes.



- Intelligent Workflow:**



DriveWorks provides comprehensive control over who, what, and when within your workflows, thanks to its intelligent workflow technology. This allows you to manage team permissions, approval processes, and customer journeys effectively. You can enhance quality by incorporating approval steps and sign-off permissions for teams, ensuring that documents and SOLIDWORKS files are created at the appropriate times. Additionally, it enables you to manage order progress seamlessly and automatically send status updates, keeping everyone informed throughout the process.

- Dynamic Data Utilization:**

Leverage external data to create exceptional user experiences by querying SQL databases (Microsoft SQL Server, Oracle, MySQL), importing data from Excel, XML, and text files, and requesting live data via HTTP requests for real-time updates.



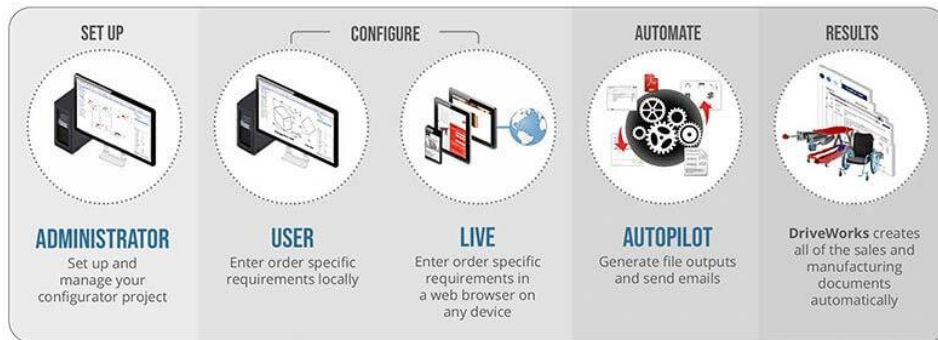
- Scalable and Cloud-Ready:**

Easily scale your DriveWorks implementation with support for modern web APIs and cloud platforms like Microsoft Azure, Amazon Web Services (AWS), and Google Cloud, along with flexible DriveWorks Live licensing to accommodate peaks in usage.

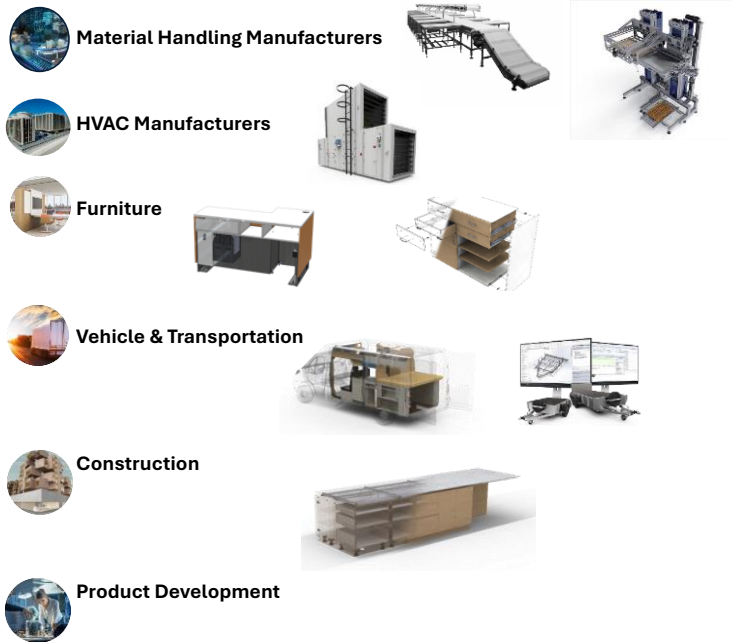


**Conclusion:**

In conclusion, choosing DriveWorks is a strategic move for businesses looking to enhance their product configuration, streamline workflows, and improve collaboration between sales and manufacturing teams. With its powerful automation capabilities, seamless integration with existing systems, and intuitive user interfaces, DriveWorks enables companies to deliver customized solutions more efficiently and accurately. The ability to leverage real-time data, manage intelligent workflows, and provide engaging 3D visualizations further sets DriveWorks apart as a comprehensive tool that not only reduces costs and errors but also boosts customer satisfaction. By investing in DriveWorks, you position your business for greater agility and success in a competitive landscape.



**Automation Workflows for:**



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