

Transforming product development processes with Nuance Document Solutions.

Challenge

- The time to develop, launch and recoup investments on new products is decreasing.
- Enabling collaborative innovation across the product development value chain is becoming more complicated.
- Development cycles are becoming shorter and the potential for intellectual property to be compromised, recreated and copied increases.
- Multiple, disparate business systems make it difficult to enter and access reliable, real-time data.

Solution

- Transform product development processes with more collaborative, compliant, secure, cost effective and faster workflows.
- Reduce manual input and errors by digitizing documents throughout the process.
- Prevent lost documents and protect sensitive information through automated workflows.
- Enable collaboration with integrated capture solutions that connect to any back end system.

Results

- Reducing costs by making information available where and when it's needed.
- Integration with current workflows and capture documents at any device.
- Reduction of manual input and errors for key workflows.
- Increase in security of intellectual property.
- Increased productivity of mobile workers.
- Audit trails for key product development documents ensuring compliance.

Challenge

Manufacturers are under tremendous pressure to provide innovative products quickly to increase revenue and stay competitive in a highly dynamic environment. To do this they need to look at the current workflows and determine how to take slow manual processes and make them more streamlined and secure.

It is important to accelerate product development. Every company is racing to develop more products faster and be the first to launch them in the market. Accelerating time-to-market is a key to any manufacturer's success. A head start on the competition is the best way to ensure a product's profitability. Those companies who get their products to market too late are forced to compete at commodity price points and suffer poorer returns on R&D investments

Developing new products is not easy. It is a process that moves from a vision or idea to developing a concept to testing the concept's viability to eventually launching a product. This could take years. On average it takes a pharmaceutical company 10 years to develop a new drug from discovery to market.¹

Each step of the product development process requires a huge exchange of information. Market research has to be completed, customer testing, patent protection, design documents, materials sourcing and specifications and that's just a few. Many of these workflows are manual and slow.

Improving efficiency with effective document workflows is one of the best ways for organizations to drive profits and stay ahead of the competition

Concept and design & development are the battleground of competition. Therefore it is important to be able to capture and manage new concepts and ideas to drive the innovation of new products and services. Improving efficiency with effective document workflows is key to staying ahead of the competition.

An option can be to automate your product development processes. By automating these processes you can increase operational efficiency by:

- Capturing product development documents electronically and routing them to the appropriate group.
- Automating manual steps and workflows.
- Adding security and control wherever paper is required or information transmitted.
- Reduce the number of errors and lost documents due to paper processes.

Nuance Document Solutions can help Organizations need help to transform paper-based and digital content into effective workflows that are:

- Easy to manage
- Streamlined
- Secure
- Easy to access by those who need it

Nuance Document Solutions—simple, streamlined and secure

Nuance helps manufacturers gain control of their document processes creating faster, safer, more compliant workflows not only decreasing time-to-market but helping you become more productive, remain compliant and reduce costs.

Our solutions can:

- Integrate with current workflows
- Capture documents at any device
- Reduce manual input and errors
- Increase security of sensitive data
- Improve product development processes
- Provide an audit trail for key documentation
- Simplify the sharing of information between departments
- Increase productivity of mobile workers

Value proposition: Capture and route documents efficiently and accurately

Nuance's leading intelligent document capture and workflow solutions transform manual, disconnected processes into dynamic, streamlined and automated workflows.

Our scanning solutions automate paper-to-digital workflows, enabling employees to scan, capture, process and accurately route documents from any MFP.

By improving your company's document workflows, Nuance can help you increase operational efficiency, cut costs and manage key processes more effectively.

Value proposition: Secure processes that protect intellectual property and assure regulatory compliance

Nuance helps manufacturers transform their product development workflows into a more secure and compliant process protecting intellectual property.

Our platform builds in security to every step of the product development process from submission to output by:

- **Authorization:** Password or smartcard-based authentication assures that only authorized employees can access specific devices, network applications and resources.
- **Authentication:** User credentials must be verified at the device by PIN/PIC code, proximity (ID), or by swiping a smartcard to access documents containing customer information.
- **Encryption:** Communications between smart MFPs, the server and allowed destinations are encrypted to ensure documents are only visible to users with proper authorization. Nuance Power PDF Software provides fully encrypted password protections and digital signatures to secure PDF documents.
- **File destination control:** Simultaneous monitoring and auditing of information in documents ensures it is controlled before it ever gets to its intended destination. A complete audit trail captures all MFD and document activity.
- **Content filtering:** Automatic enforcement of security policies proactively prevents confidential information from leaving the company by filtering outbound communications and intercepting documents headed to unauthorized destinations.
- **Secure Output:** Prevents exposure of customer information by holding print jobs in a secure print queue and outputting them only when the authorized employee authenticates and releases the documents.

Value proposition: Productivity in a mobile environment

With more and more organizations identifying mobile solutions as critical to their business, being able to do almost anything from your mobile device is not just a nice-to-have anymore.

Nuance mobile solutions can help organizations extend business processes to their mobile workforce. Employees can send documents, photographs and other electronic files from their smartphone or other mobile device to any number of company applications securely.

Our solutions allow mobile workers to work efficiently and deliver quality information downstream by:

- **Mobile capture on the go:** Deliver information back into your product development processes securely, in multiple formats from any smartphone or mobile device.
- **Electronic forms:** Any forms-based application is delivered securely to remote employees. Data can be validated easily with document management or other line of business applications directly within the form.
- **Barcode scanning with lookup:** Barcodes help businesses to speed up work and improve data accuracy. Mobile workers can read a barcode with their mobile device, populate eForm fields instantaneously with accurate data pulled right from the company's database allowing mobile workers to complete electronic forms efficiently for almost any application.
- **eSignature:** Mobile workers can capture and send signatures electronically from smart devices to quickly perform tasks, validate information and obtain approval.
- **Geo-tagging:** Deliver a deeper understanding of the situation when you include geo-location information with mobile documents and photographs.
- **Secure File Access:** Mobile workers can access the company network from wherever they are. Nuance mobile solutions connect workers to their networked home directory, giving secure access to their files and shared network folders.
- **Secure Mobile Print:** Initiate print jobs from mobile devices regardless of location. Documents wait in a print queue until the mobile worker releases it by reading the printer's barcode with the mobile device. Mobile workers can use their mobile devices to print securely to any network printer.
- **Bi-directional database connectivity:** Using simple lookup fields, users can return values stored in backend databases and use it for indexing data real-time. This allows them to look up information on customers, products or contractors and displaying it on a tablet. It also minimizes the time spent entering data and the chances of it being entered incorrectly.

Value proposition

Nuance Document Solutions are already being used by manufacturers around the world every day.

To learn more about Nuance AutoStore, please call 800-327-0183 or visit nuance.com/go/autostore/.



Pratt & Whitney Canada is a world leader in the development of aviation engines for general, commercial, private aviation and helicopters. They are a Nuance manufacturing customer that uses Nuance® AutoStore® to capture, process and route documents with fewer steps. Engineering documents are delivered to offsite locations quickly, eliminating the usual faxing or courier expenses. The solution works with virtually all network environments and all digital copiers and scanners. It improves document distribution by scanning once and sending to multiple locations.

About Nuance Communications, Inc.

Nuance Communications, Inc., is a leading provider of voice and language solutions for businesses and consumers around the world. Its technologies, applications and services make the user experience more compelling by transforming the way people interact with devices and systems. Every day, millions of users and thousands of businesses experience Nuance's proven applications. For more information, please visit www.nuance.com.
