



# The Industria de Turbo Propulsores Group of Companies

Spanish aircraft motor manufacturer automates ERP document generation and form-based processes with the Adobe® Intelligent Document Platform

## INDUSTRIA DE TURBO PROPULSORES, S. A. (ITP)

[www.itp.es](http://www.itp.es)

## INDUSTRY

Aerospace manufacturing

## CHALLENGES

- Automate forms-based processes within and beyond the firewall
- Accelerate form processing time and help ensure authenticity with digital signature capabilities
- Create easy-to-use, intuitive forms to help ensure adoption

## SOLUTION

- Document generation
- Process management

ITP adopts Adobe server solutions to improve creation and processing of purchase orders, HR documents, and other business forms frequently used by staff and key suppliers.

## RESULTS

- Accelerate forms processing with electronic forms and digital signatures
- Improve design, delivery, and handling of common business forms
- Reduce costs by streamlining administration for ITP and partners

## IN PARTNERSHIP WITH

ATOS Origin

[www.atosorigin.com](http://www.atosorigin.com)

## Innovation made easy

Equity interests in Industria de Turbo Propulsores, S. A. (ITP) are held by Sener Aeronáutica (53%) and Rolls-Royce (47%). Primary activities of ITP include the research, design, manufacturing, and maintenance of aircraft and gas turbine engines. The company also carries out motor and aircraft maintenance and provides leasing and motor sales and purchasing services. ITP is the authorized service provider for major engine manufacturers worldwide. Established in 1989, the company is headquartered in Zamudio, Spain and employs 2,200 people in eleven production centers in Spain, Great Britain, Mexico, and the United States.

The company uses a Baan IV Enterprise Resource Planning (ERP) system to manage orders, invoices, and other company documents. ITP decided to set up a system to handle document output from its ERP system and other enterprise applications such as its IBM system that generates payroll documents. Company guidelines called for working towards a paperless office supported by digital signature capabilities, which were fundamental for purchase orders and others materials. The company's solution included adoption of the Adobe Intelligent Document Platform including Adobe Central Pro Output Server, Adobe LiveCycle™ Reader Extensions, and Adobe Output Designer server software.

## Providing flexibility to document output from ERP systems

“We needed to improve the printing of purchase orders, invoices, and order receipts. And, in keeping with our company philosophy, we wanted to be more flexible and streamlined in dealing with our constantly changing business demands,” explains Mariano Pérez, systems director for the Madrid Area. “There was a lot of rigidity; any document that we wanted to design had to be done directly in Baan, and we weren't taking advantage of the current publishing potential for these types of applications.”

## Automating document generation

That's when ATOS Origin, a technology consultant to ITP, proposed using Adobe Central Pro Output Server to change the way company documents were produced from enterprise applications. The Adobe solution would enable ITP to handle the complex, digital signature challenge smoothly. In only two months, the Adobe solution was up and running, with business documents designed to meet specific requirements for appearance and content.

Luis Amor, in charge of the Atos Origin project for ITP, states the goal clearly: “All previously printed reports were static. For example, you had to go into Baan to touch up even simple forms. So I proposed that we use the Adobe Central Pro Output Server software to manage all information in the print queue, which would streamline the entire process.”

“With Adobe solutions, we realized that it was easy to automate, design, and output all document types in the print queue, not only documents generated from Baan. And we could define, design, and produce them without any hassles. Basically, we freed ourselves from constraints with the ERP system when creating documents,” says Pérez. “With this solution, we can generate materials in Adobe Portable Document Format (PDF), a universal format that works with any scheme, and stylistic changes can be made simply using Adobe Designer.”

**“Digital signature support in Adobe software has been key to the success of the project.”**

Mariano Pérez,  
Systems director for the Madrid Area,  
Industria de Turbo Propulsores

Pérez emphasizes how important it is for the user to see the same image they had seen on paper. “What we like about this solution is that transitioning to it is not traumatic for our users. The document image is the same as before, and you can even print it; this is central to moving towards a more ‘paperless’ environment.”

The first task ITP did was to set up its purchase orders to suppliers which could be improved later based on suggestions from users such as delivery reminders for materials ordered. For purchase orders, the company is currently using three or four different formats.

**A single system across all departments**

The document generation system is used by various departments within ITP, including Maintenance, Manufacturing, Production, and Engineering. For example, Production generates inspection slips used in technical receiving, lists of materials, and operations sequencing, while Administration needs to generate invoices or payment orders to banks.

On average, ITP generates 500 to 1,000 documents daily, from the eleven different document types in Baan, each averaging three pages in length. Approximately 30% of the documents are purchase orders. Another benefit of the Adobe system is that all documents are filed electronically alleviating the need to file them in paper form.

**Streamlined, secure processes with digital signatures**

An important benefit for ITP is using digital signatures on purchase orders. Previously, collecting signatures required that staff route a printed document to two or more people. Traditionally, this process had been done manually, with orders being printed and sent through the mail. After approval, the supplier would send a receipt showing that it accepted the terms of the order issued by ITP.

One of the main benefits of Adobe server software for ITP is the ability to create and automate the processing of complex purchase orders.

**ITP Ordenes de Compra / Purchase Orders**

Proveedor: MI EMPRESA  
Supplier: LIN EDUARDO  
A la Attn de / Fac: LIN EDUARDO

Part Number: 12004709 NPH1815 STIFF. LEFT  
Artículo: ITP CODE: 12004709

Referencia: Q9126  
Reference: MARTIN LOPEZ DRES

Dirección Empresa: I.T.P. S.A.  
Delivery Address: Parque Tecnológico 656 200 STORECARGASAS

Fecha de Impresión / Print date: 00/03/2006

Este pedido cancela y sustituye a todos los de fecha de impresión anterior para este artículo. This order cancels and supersedes all the orders with an earlier print date for this pin.

Las condiciones contractuales (comentarios y notas) son las recogidas en el documento de ref. 251240

All contractual and commercial conditions are defined in document 251240 of this order shall apply.

Nota: La referencia de ITP debe ser indicada obligatoriamente en la factura y en toda la documentación relativa a la entrega (Nota de Entrega / Certificado de Conformidad).  
Note: ITP reference number must appear in all your invoices and paperwork (Doc & Delivery Note) concerning the supply.

Referencia ITP / ITP Reference	Cant. Pedido / Order Qty	Cant. Recibida / Qty Received	Cant. Rechazada / Rejections	Fecha Recepción / Date of Reception	Num. Nota Entrega / Del Note No.
251240 20	1	0.00	0.00	15/03/2005	202428
251240 20	1	0.00	0.00	15/01/2005	202428

Referencia ITP / ITP Reference	Cant. Pedido / Order Qty	Cant. Recibida / Qty Received	Ratio Orden / City outstanding	Fecha Planticada / Date of Resumption	Fecha Definitiva / Date Finalized	Precio Unitario / Unit Price	Divisa / Currency
251240 70	2.00	0.00	0.00	31/03/2005	31/03/2005	41.62	GBP

Cant. Previsión / City Required	Fecha Previsión / Date Required
1.00	28/03/2005
1.00	07/01/2005
1.00	18/07/2005
1.00	27/07/2005
1.00	05/08/2005
2.00	05/04/2005
2.00	05/05/2005
3.00	24/05/2005
2.00	05/05/2005
2.00	13/06/2005
3.00	21/06/2005
2.00	05/05/2005
2.00	10/07/2005
2.00	11/07/2005
2.00	28/07/2005
4.00	05/06/2005
3.00	17/06/2005
2.00	05/06/2005
2.00	05/05/2005
2.00	15/05/2005
2.00	05/05/2005
1.00	05/05/2005

Este Orden de compra no se entenderá firme si el comprador no lo firma y no indica la aceptación expresa de las condiciones contractuales, antes de la presentación de ITP de dicho día de presente fecha, según se establece en las Condiciones Generales de Compra de ITP. This order will not be considered firm until the buyer signs it with a stamp and indicates until ITP receives the express acceptance of the supplier by stamping, signing and entering in ITP a copy of the present order as established within ITP General Purchase Conditions.

(Supplier stamp and signature) (Date)

**Comproedor/Buyer**  
Industria de Turbo Propulsores, S.A.  
CIF/VAT: A45-179.196

REF. DE SU ORDEN/REF. OF YOUR ORDER

CONDICIONES DE ENVÍO/TERMS OF SHIPMENT

FORMA DE PAGO/FORM OF PAYMENT

MONEDA/CURRENCY

ESPAÑA

POS ITEM	CODIGO MAT. / MAT. CODE	DESCRIPCION/DESIGNATION	CANTIDAD	U.M. UNID.	PRECIO UNI. / UNIT PRICE	U.P.	PRECIO TOTAL / TOTAL PRICE	FECHA ENVIOS / DELIVERY DATE
10	230108	ACCIÓN VULPORIZO 205 DEPRADORA	2329,00	KIL	0,18	KIL	426,75	01/03/05
20	230100	BIJOCITA LACORRELA P. FERROCID 891	100,00	UNI	6,59	UNI	1.518,00	01/03/05
30	230103	MILIBREJO CALZETO DEPRADORA	439,00	KIL	0,14	KIL	131,40	01/03/05
40	230107	FLUCCULORE DEPRADORA	120,00	KIL	7,31	KIL	344,50	01/03/05
50	230111	ETP ANALISIS AGUA DEPRADA	2,00	KIT	211,04	KIT	422,04	01/03/05
		1 BAROCOSOL DOC 3550						
		1 VERBOCULOR DEBIBIBOTES AUTOSECOS						

Atención: la referencia debe acompañarse NOTA DE ENTREGA, Industria Número de Bienes, Comensal, Pedido y Precio.  
The shipment document which shall accompany the material, must show number of items, contents, purchase order number and date.

Según se establece en las condiciones contractuales de compra que se adjuntan al presente documento.  
Subject to the GENERAL CONDITIONS OF PURCHASE attached thereto.

Página: Mercantil de Valencia, Tomo 1.425, Libro 1.138, Folia 10.936, Folia 148, Sección 1ª, Inscripción 1ª

## SYSTEMS AT A GLANCE

- Adobe Central Pro Output Server
- Adobe LiveCycle Reader Extensions
- Adobe Output Designer
- Adobe Reader
- Baan Enterprise Resource Planning System

Generating monthly payroll for ITP's workforce of 2,200 employees is another area benefiting from Adobe server software. Payroll data is extracted from an IBM HR system, and current employee information is stored on an Employee Portal, enabling each employee to obtain a copy for printing.

Now, a more automated system improves business workflows. A digital file is created by the Adobe Central Pro Output Server used in combination with the Baan ERP system. An automatic sequence incorporates the signature fields of the buyer, the purchasing manager, and the supplier into the electronic document. An Adobe PDF document is generated and circulated for additional internal and external signatures. Because ITP is using Adobe LiveCycle Reader Extension software, the company can generate documents in Adobe PDF that staff and suppliers can electronically sign using free Adobe Reader® software. "Digital signature support in Adobe software has been key to the success of the project," says Pérez. In some cases, suppliers might want to continue using the manual processes and receive forms on paper. Fortunately, the solution is flexible enough to support both electronic and paper-based workflows.

### Meeting new demands

The Adobe Intelligent Document Platform provides ITP with a tool for meeting new business demands. It helps the company maintain its prestigious image with suppliers, customers, and employees, and it supports the company's goal of moving to a more paperless office with digital signature capabilities—both essential for a company like ITP.

Better by Adobe.™

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[www.adobe.com](http://www.adobe.com)

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