

# Label PrintCockpit

## Cost-optimized implementation of Product Safety requirements with Atos REACH & GHS Solutions

The GHS legal ordinance is, following the REACH legislation, the second largest undertaking of the European Union in its chemicals policy. Since many decades, producers and traders of chemicals are facing the problem of diverse rules for the classification and labeling of chemicals in different countries and international transport regulations, causing high workload and cost for the companies.

With the GHS legal ordinance, the globally agreed UN-System for chemicals classification and labeling is put into force, replacing the current system. All substances must be classified and labeled accordingly since December 1st 2010, preparations (compounds) until June 15th 2015.

With the LabelPrintCockpit, Atos offers together with its partner ebsoft a flexible, consistent, reliable and fast SAP-based solution, allowing you to comply with the GHS (Globally Harmonized System of Classification and Labeling of Chemicals) requirements.



Similar to REACH, the GHS legal ordinance stipulates extensive communications duties in the supply chain. Next to the successive safety data sheet recreation, an increased attention on delivery and production safety is required, as the impact on neighbouring legal areas like transportation, dangerous goods, hazardous incidents or safety at work is multifaceted. GHS affects all activities related to handling, storage and transfer of chemicals. The implementation of GHS and REACH is elaborate and closely re-

lated - an effort, which is almost unbearable with the present resources for many companies. The risk of non-compliance increases and may lead to considerable consequences:

- ▶ Delays in Product Launches
- ▶ Image Loss
- ▶ Grave Fines and Penalties
- ▶ Dissatisfied Customers

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
EH&S: Environment Health & Safety

# LabelPrintCockpit

## Our solution

In the context of our comprehensive EH&S and REACH portfolio, Atos and ebsoft offer a solution for the immediate, quick and error-free creation of labels for hazardous materials, dangerous goods, product and logistics: as single labels or a combined label, following the currently applicable EU regulations or the new GHS ordinance. As an end-to-end partner we do not only offer the software with implementation, we may also take over the system operation after a successful implementation project.

The LabelPrintCockpit solution package provides several advantages:

- ▶ **Flexibility:** The solution can be easily adapted to your individual requirements and business processes. The cost-efficient creation of special labels with standardized formats is equally possible.
- ▶ **Integration:** Almost full-fledged process automation, data management is centralized in the SAP ERP and EH&S system (also in combination with managed regulatory content).
- ▶ **Standardization:** As for the central data management, a consistent data status for MSDS (Material Safety Data Sheet), labels and all other regulatory documents is safeguarded.
- ▶ **Security:** The underlying data basis allows best possible labeling reliability. The LabelPrintCockpit has been specifically created for the needs of the chemical industry and reflects our experience from a multitude of customer projects.
- ▶ **Rapid Utilization:** The software can be quickly implemented and is, if required, also operational in the company's intranet or the internet.

Atos and ebsoft offer a professional, reliable and worldwide service and support.

Secure and cost reducing classification and labeling of chemicals according to EU regulations. Atos and ebsoft offer a professional, reliable and worldwide service and support.

## Your Benefit

- ▶ Reliable, pre-customized software solution
- ▶ Rapid implementation at a fix cost
- ▶ ROI quickly achieved
- ▶ Flexible concepts for maintenance and support at reasonable cost
- ▶ Safeguarding compliance and risk minimization through conformity with GHS, REACH and other regulations

## System Attributes

- ▶ Direct use of data from SAP SD, MM, PP-PI and EH&S
- ▶ Provision of data used on hazardous goods and dangerous goods labels in over 30 languages in Unicode
- ▶ For the current EU legal ordinance: e. g. R-/S-phrases, additional texts, symbols
- ▶ For the GHS legal ordinance: e. g. R-/S-phrases, additional texts, symbols
- ▶ For dangerous goods labeling: e. g. proper shipping names, symbols for ADR, IATA
- ▶ Automatic label generation in the required languages

## Key Facts

- ▶ System successfully introduced in the chemicals industry
- ▶ Together with our global partners (SAP, IHS and ebsoft), we developed a comprehensive compliance offering, which allows our customers the reliable implementation of complex legal requirements at a global level
- ▶ Reliable partners for compliance topics in the chemicals industry
- ▶ Global SAP Partnership

### More information:

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Example of a label

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# Label Print Cockpit

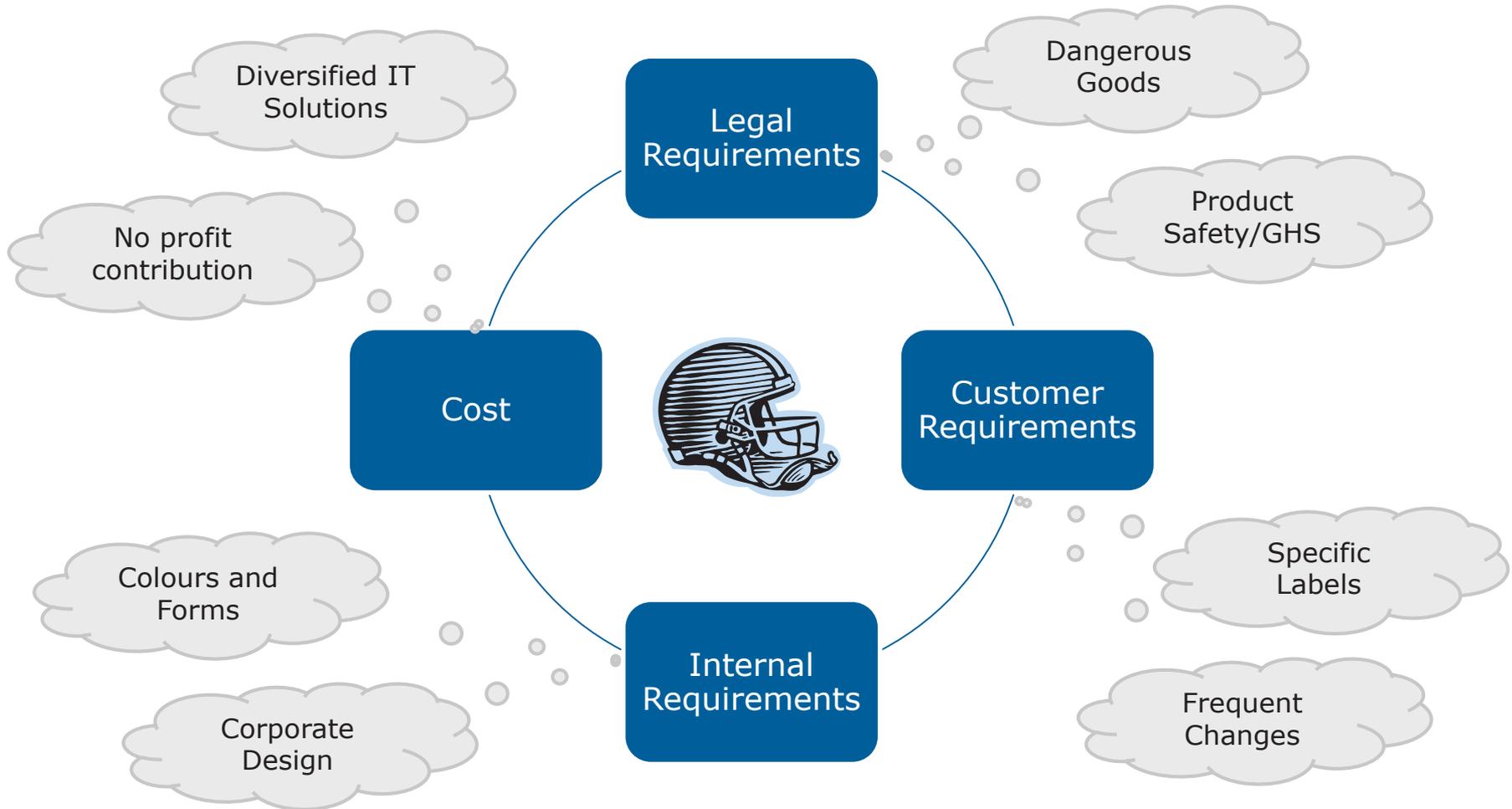
Fully SAP integrated Label Printing  
with distinguished layouting and  
printing functions

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September 20<sup>th</sup>, 2014

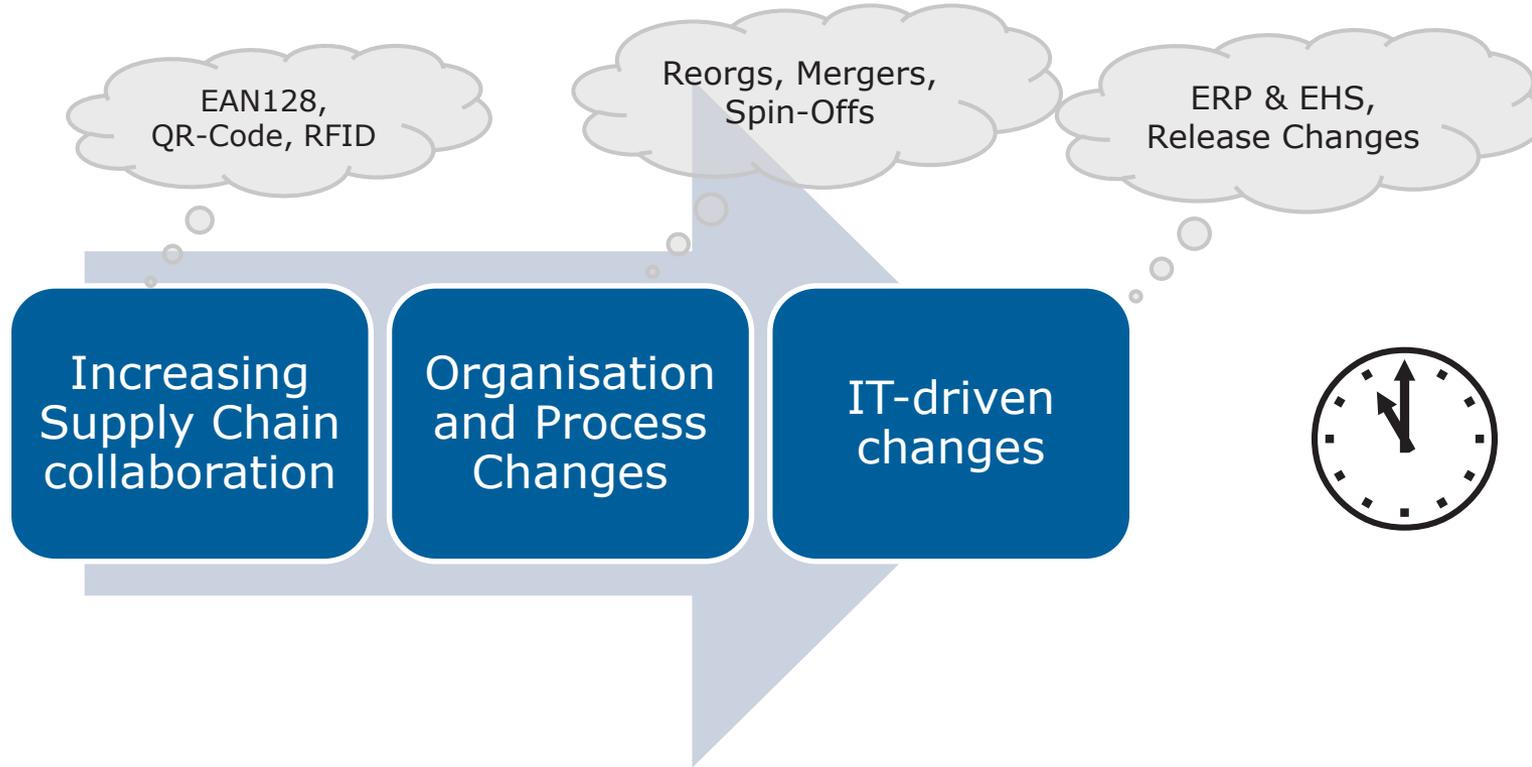
# Label Printing is a challenge

Requirements and constraints define the focus, ...



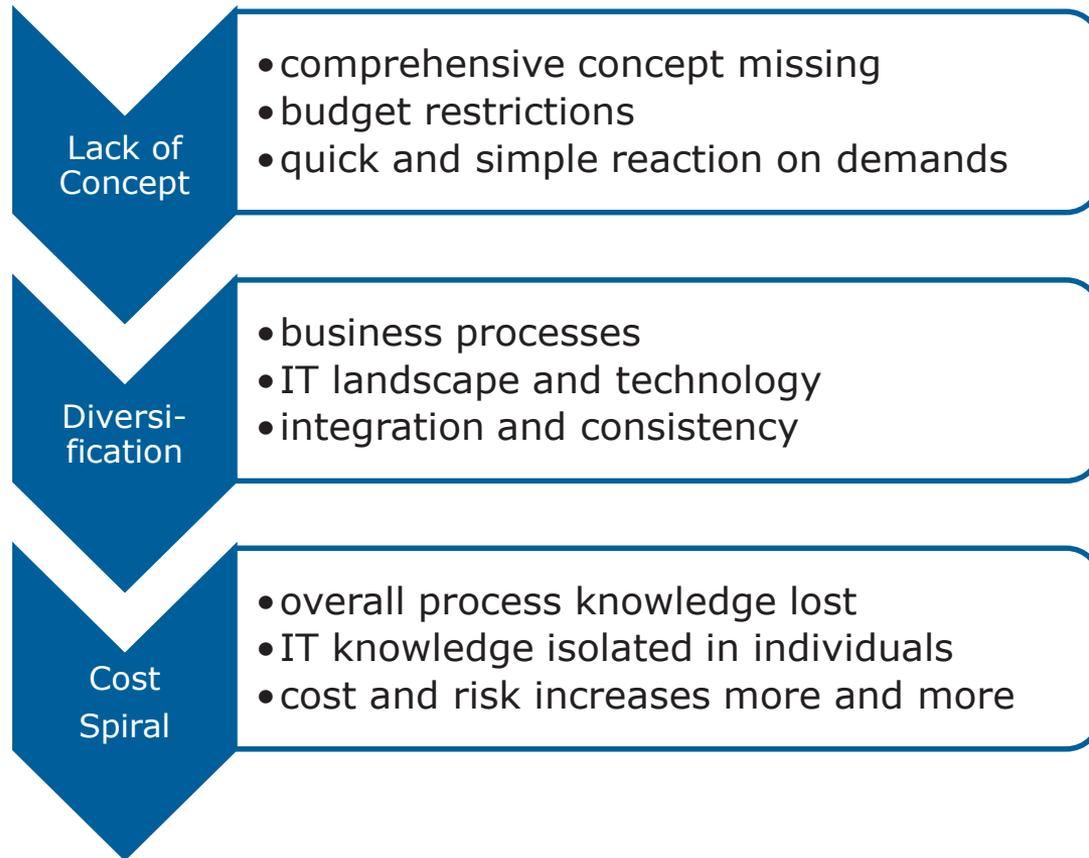
# Label Printing is a challenge

..., increase continuously, ...



# Label Printing is a challenge

... and finally result in uncontrollable situations



**Sustainable, calculable and projectable labelling needed!**

# Label Printing is comprehensive

It is worthwhile to treat labelling as a subject of its own

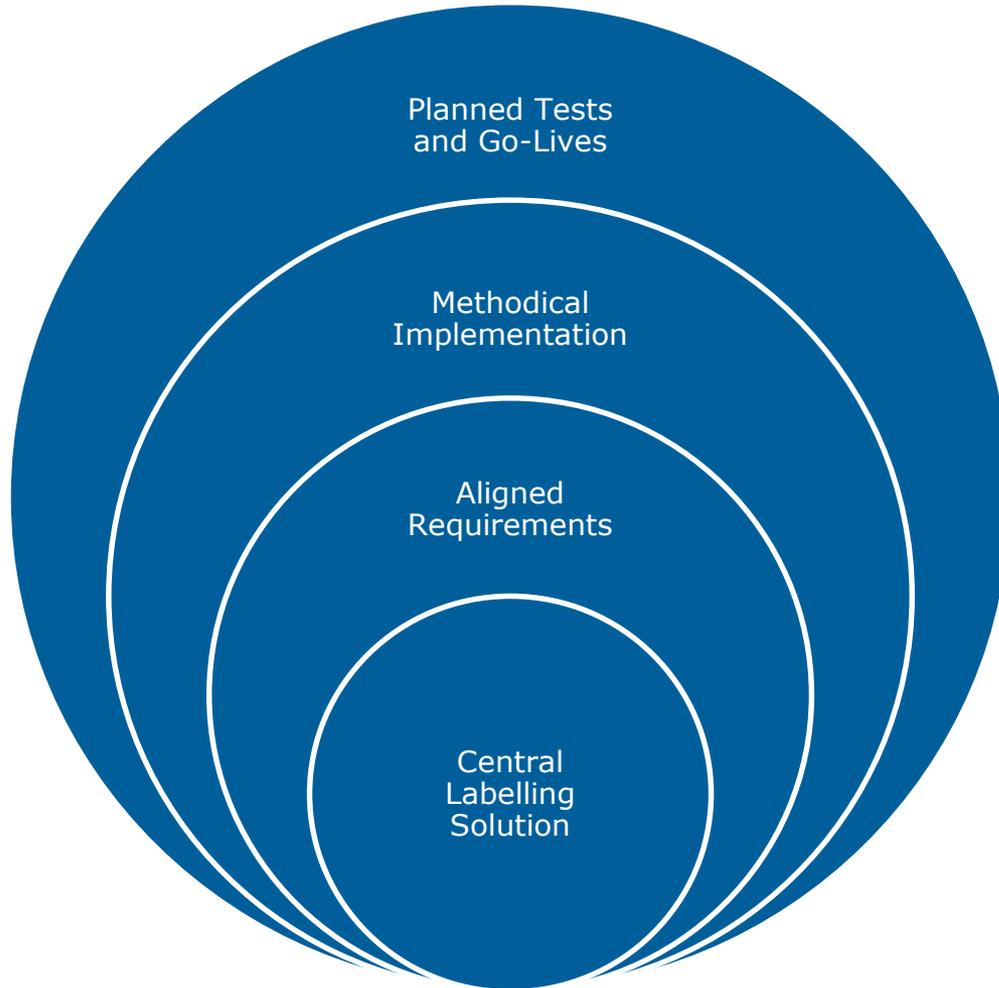


- ▶ all requirements from all departments are reasonable
- ▶ requirements can be contradictory
- ▶ space on packaging is limited
- ▶ space on labels is limited
- ▶ time for physical labelling is limited
- ▶ local optimisations not always in corporate interest
- ▶ IT can not solve collaborative issues.
- ▶ **Business Collaboration**

**IT and the label printing solution support the comprehensive and collaborative approach!**

# Label Printing is dynamic

Change is normal

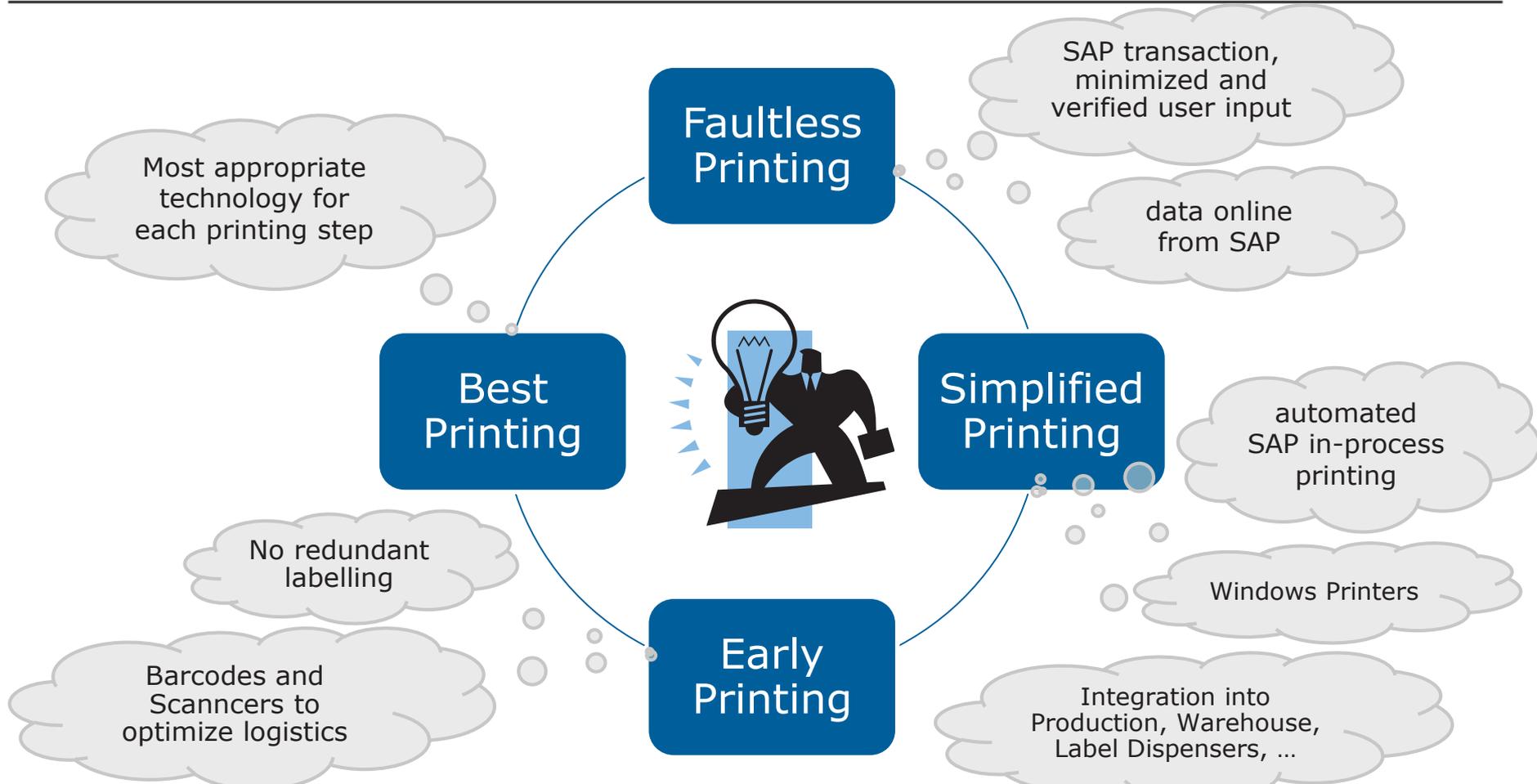


## Change Management

- change organisation
- standardised and available IT skills
- common language round tables
- reliability through projectability

# Label Printing is full of potential

Change Focus from Cost to Benefit



**Intelligent labelling reduces supply chain cost!**

# Atos Label Print Cockpit (LPC)

## Focal Points



### SAP Integrated

- LPC *in* SAP, not attached to SAP
- user transactions
- process messages
- authority checks
- data on hand
- configurat. subject to SAP transports



### Centralised

- all rules for routing, data access, formatting in LPC transaction
- version controlled layouts and data (optional)
- full control of printed data
- full logging



### Flexible

- customized and table-controlled rules for adoption to SAP ERP and EH&S setup
- ABAP plugins supported
- simple, fast, immediate testing
- all MS-Windows printers / output devices



### Compliance

- developed for high requ'mts. in chemical industry
- legal
- customer
- diverse operations processes, volumes
- languages
- pictograms
- colours
- consistency w/documents
- tracking and tracing
- reprint

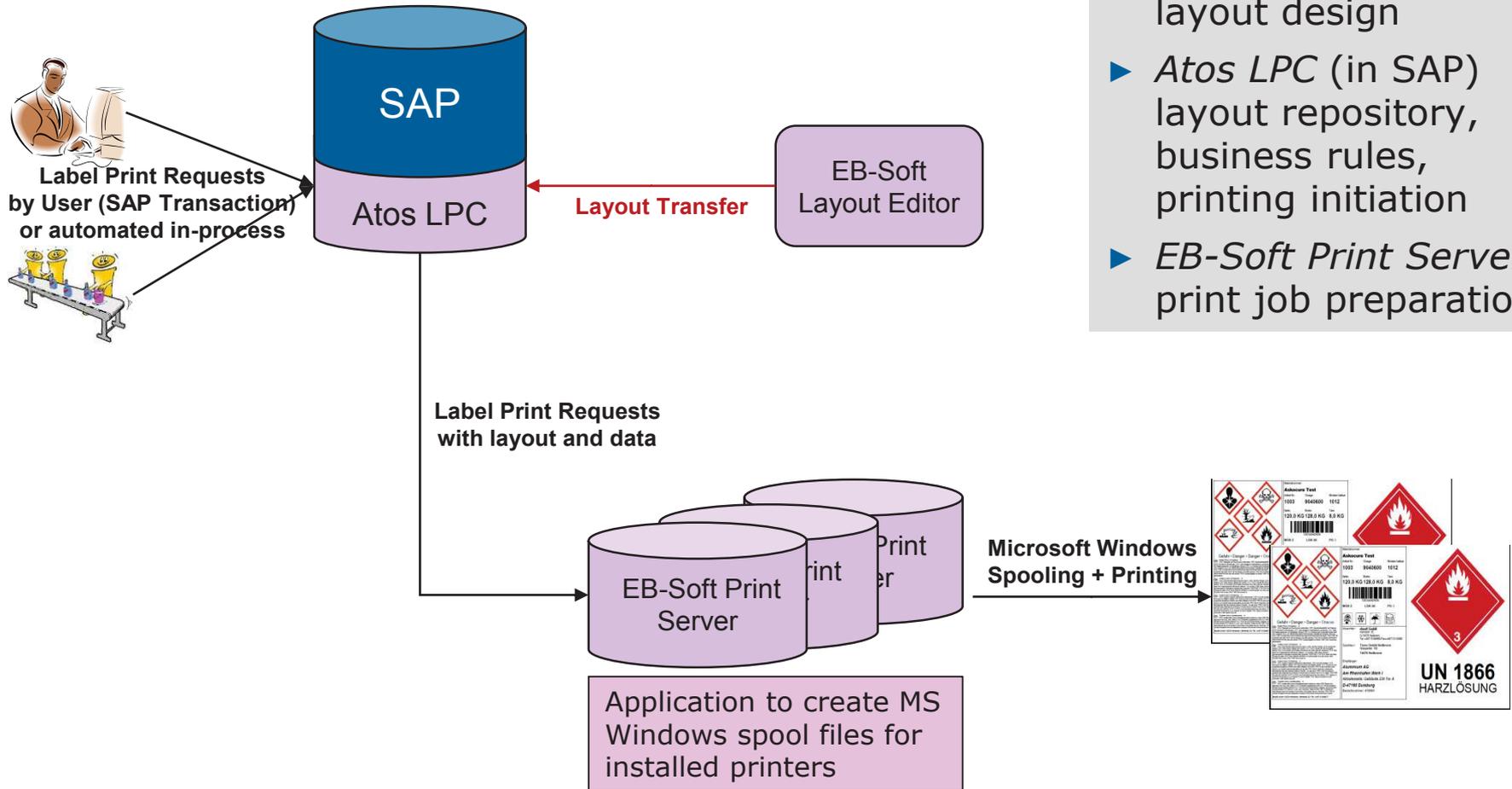


### Customer Autonomy

- system behaviour and business rules defined in setup, not programmed
- setup can be done by customer
- ABAP progr. exits available

# Atos Label Print Cockpit (LPC)

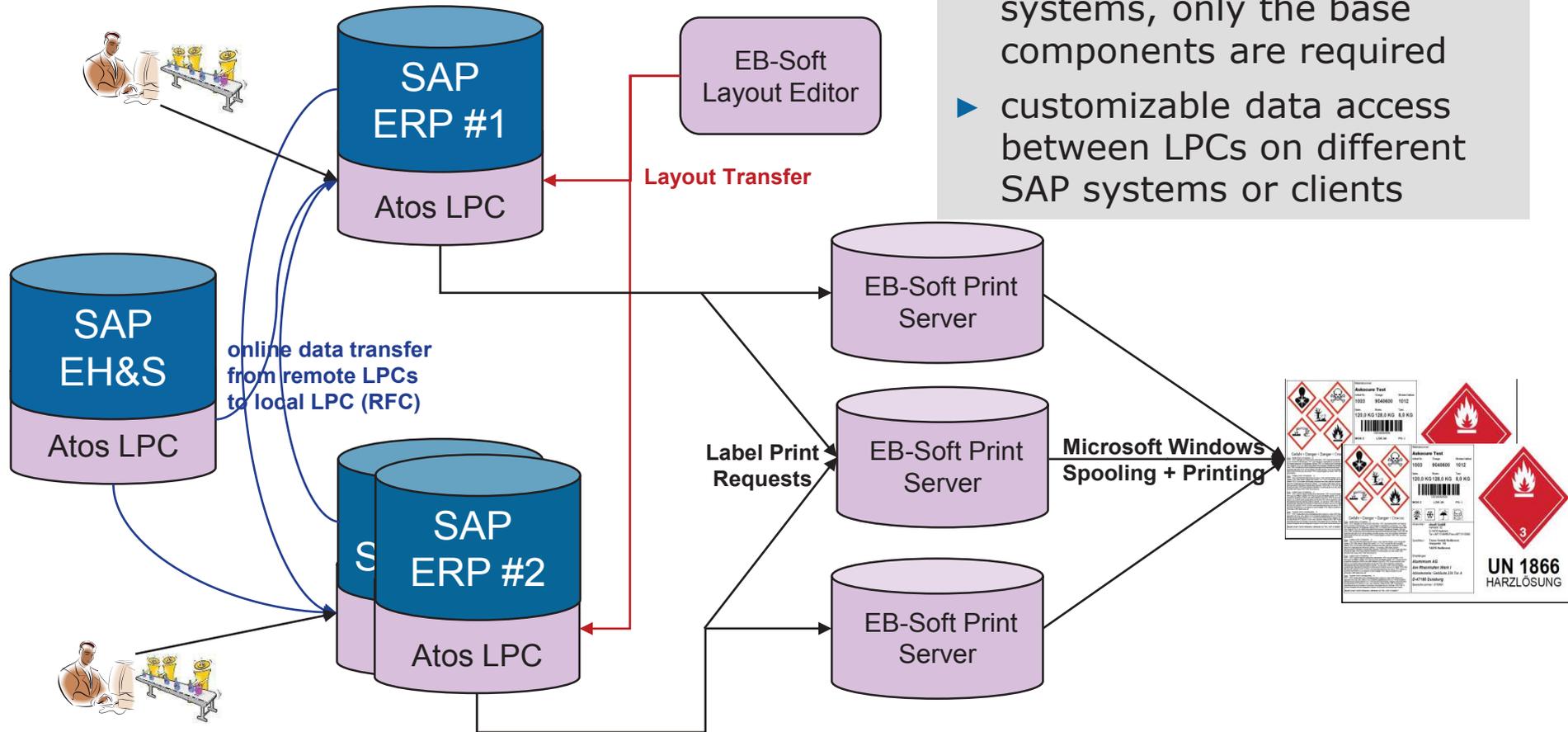
## Basic System Components



- ▶ *EB-Soft Layout Editor* layout design
- ▶ *Atos LPC* (in SAP) layout repository, business rules, printing initiation
- ▶ *EB-Soft Print Server* print job preparation

# Atos Label Print Cockpit (LPC)

## Basic System Components in complex SAP Environment



- ▶ even for multiple SAP systems, only the base components are required
- ▶ customizable data access between LPCs on different SAP systems or clients

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# Atos Label Print Cockpit (LPC)

## Solution Details

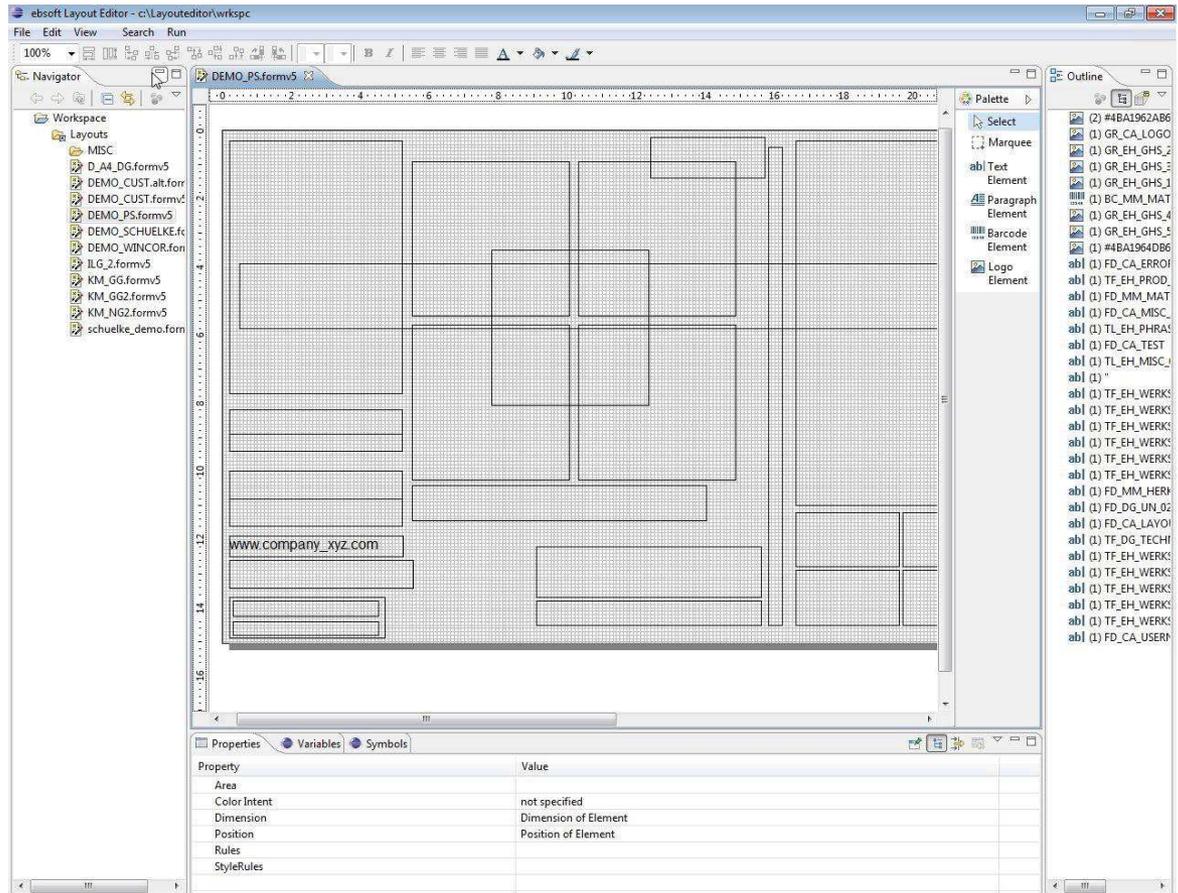
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<b>1</b>	<b>Layout Design</b>
<b>2</b>	<b>Print Initiation and Routing</b>
<b>3</b>	<b>Data Access and Data Formatting</b>
<b>4</b>	<b>Label Output</b>
<b>5</b>	<b>Logging</b>
<b>6</b>	<b>Versioning and Release Scenarios</b>

# Atos Label Print Cockpit (LPC)

## Layout Design

- ▶ WYSIWYG Layouting
- ▶ also supports demanding designs
- ▶ layout transfer to LPC
- ▶ versioning and release in LPC
  
- ▶ layouts define fields with position, size and appearance
- ▶ fields are anonymous placeholders for data
- ▶ layouts are generally independent of data



The Layout Editor comes from our partner „EB-Soft“, who continuously enhances and maintains the software.

# Atos Label Print Cockpit (LPC)

## Print Initiation

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- ▶ Label Printing can be triggered by
  - LPC user transaction in SAP (customizable)
  - SAP processes, started as batch jobs or by user transactions like VL06O (delivery monitor) or LM01 (handheld scanners used in logistics)
  - Customer ABAP programs
  - from outside SAP, e.g. manufacturing systems (MES)
  
- ▶ Central printing

All calls are executed by the same function, i.e. printed labels and all other functions (e.g. logging) are independent of the triggering process

# Atos Label Print Cockpit (LPC)

## Print Initiation with LPC user transaction

- ▶ with label preview, distribution via E-Mail, jumps into SAP transactions
- ▶ selection screen and label list highly configurable

**Atos Label Printing**

1. Select Label Type

Product Safety Labels Dangerous Goods Labels Released Labels

Delivery Labels Stock Labels

Sample Labels

2. Select Data for Delivery Labels

Outbound Delivery: 80000063 to

Item to

Handling Unit to

Storage Unit to

3. Packaging Size

Large  Portrait  Landscape

Medium  Small

4. Execution (optional)

Label:

Printer:

Print immediately  Show error messages

Clear all selections

**Atos Label Printing**

Print Labels

	Label Identifier	Label Description	Printer ID	Lbl.Count	Delivery	Item	Material	Description	Plant
<input type="checkbox"/>	0413_DEF	Delivery+GHS EU A5 Portrait	DEFAULT	1	80000063	10	CH-6100	SAPcolor blue, 1000 kg	1000
<input type="checkbox"/>	1331_DEF	DG A5 Portrait Symb. 1	DEFAULT	1	80000063	10	CH-6100	SAPcolor blue, 1000 kg	1000
<input type="checkbox"/>	0413_DEF	Delivery+GHS EU A5 Portrait	DEFAULT	30	80000063	30	CH-6000	SAPcolor blue, 10 kg	1000
<input type="checkbox"/>	1331_DEF	DG A5 Portrait Symb. 1	DEFAULT	30	80000063	30	CH-6000	SAPcolor blue, 10 kg	1000



The delivery label with product safety information shows the flexibility in design and data access.

# Atos Label Print Cockpit (LPC)

## Routing

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- ▶ process starts with the label type and few additional parameters
  - label type corresponds to the principal buttons in user transaction
  - Example: „delivery label“
- ▶ routing determines
  - main label and additional labels
    - depending on actual data, table-controlled
    - Example: label 1 with delivery and product safety data, as this is a dangerous material; label 2: dangerous goods label for the specific delivery
  - for each label:
    - layout
    - specific formatting requirements beyond layout settings  
Example: material name italic for a specific customer
    - number of copies
    - printer

# Atos Label Print Cockpit (LPC)

## Data Access and Data Formatting

- ▶ executed for all fields in the printed layouts
- ▶ setup organised by technical data sources
- ▶ data subject to versioning and release considered
- ▶ regular formatting of data (e.g. decimal delimiter)
- ▶ special formatting like Zoom, EAN128
- ▶ layout settings can be conditionally overridden by rules

Field Tag configuration window showing the following details:

Field Tag	TL_EH_PHRASE_HP_FULL
Field Content	EH_Z_PHRASE_HP_FULL

Attributes section:

Tag Description	GHS EU: H-/P-Phrases+full info in 1 fld
Field Tag Type	RichText field, language dependent (locales)
Field Tag Review	no review

Appearance section:

Nbr. of columns	1		
Zoom from %	25	to %	100
Appearance	New line with ISO country code		

LPC data formatting setup

Field Display Attributes configuration window showing the following details:

Field Detail	FD_MM_HSDAT_DEFAULT	<input checked="" type="checkbox"/> Default Setting
Field Tag	FD_MM_HSDAT	
Description	PRD Default Format	

Data Content section:

Alternate Field Tag		Changes ALL tag settings incl these	
Alternate Content Field		Changes data access	
Offset		Length	
Prefix		Suffix	
Fillup Digits	Space		

Data Format section:

Text Format	none		
Date Format	dd.mm.yyyy		
Number Format		Number of Decimals	

Field Appearance section:

Display Type	Data Dictionary Type	Check Digit	
Field Alignment		Field Style	acc. to Layout
Font Size in PT			

Label Cockpit: Layout Maintenance window showing a tree view of field categories:

- Label Cockpit
  - Layouts
  - Fields
    - Data is externally provided (no data collection)
    - Arithmetic calculation (+, -, \*, /)
    - Constant Value
    - Constant Value by Language
    - EH&S Identifier
    - EH&S Property
    - EH&S Phrase
    - Hierarchy
    - Classification
    - Long Text
    - Function Module
    - EH&S Component
    - Dangerous Goods Master
    - Popup
    - Split Field
    - Flat Table
    - Determination Table
    - System Variable
    - Concatenated Field
    - Field Tags In Layout

LPC data access setup

# Atos Label Print Cockpit (LPC)

## Label Output

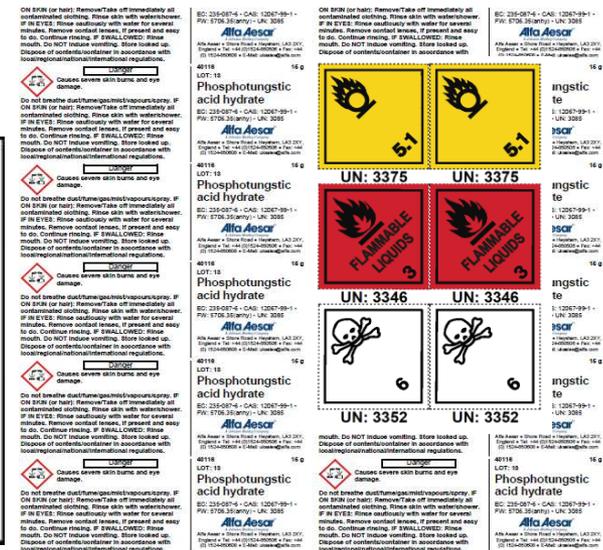
- ▶ the print server combines layout with data and graphics to a spool file and sends it to printer
- ▶ all printers and output devices (e.g. RFID) with MS Windows-driver supported
- ▶ print server software optimized for performance (speed) and high volumes; maintenance-free from our partner „EB-Soft“



label dispenser



space optimisation: text flow around graphics



efficient use of printer and paper by good layout design

# Atos Label Print Cockpit (LPC)

## Logging

- ▶ print requests can be fully logged from initiation to printing
- ▶ printed labels can be logged or saved into document system (e.g. SAP DMS)
- ▶ search functions and reprint functions for the logs

Search Print Job Log

Execute Search

Label Print Job ID: 0000000000000000 to 0000000000000000

**Job Creation**

User Name: to  
Transaction code: to  
Workstation: to  
Language: to

**Job Data**

Job Start Date: 22.04.2014 to  
Job Start Time: 00:00:00 to 00:00:00  
Job End Date: to  
Job End Time: 00:00:00 to 00:00:00  
Related Process Label: to

**Job Error**

Label Job Error Source: to  
Message: to

**Data Collection**

Field Tag ID: to  
Field Content ID: to  
Field Value:

**Used Routing**

Plant: to  
Layout ID: to  
Printer ID: to

**Issued Messages**

Message Command ID: 0000000000000000 to 0000000000000000

Job Log

Label Print Job ID: E3CA1CBB934821F18BF4001989F59173

**Job Creation**

Label Job Mode: Routing  
User Name: A118322  
Transaction: ZA0L\_CA\_LABEL\_PRINT  
Workstation: Atos Label Printing  
Language: EN

**Job Data**

Job Start Date: 22.04.2014  
Job Start Time: 14:50:51  
Job End Date: 22.04.2014  
Job End Time: 14:50:51  
Job Completion: Synchronous  
Label Job Status: Routing  
Reprint Mode:  
Label ID: DET1\_PSALL  
Label Description: Product Safety Labels (all)

**Job Status Message**

Source: Number: Text:

**Routing** | **Data Collection** | **Messages**

Label ID	L	Plant	Lay...	Layout Short Desc	Label Layout Description	Ver
2_ALL_GEU	G	1000				
2_ALL_GUN	G	1000				
2_ALL_OSH	G	1000				
0035_DEF	L	1000	4	DEMO_CUST	10_Demos.10_General.DEMO_CUST	14
0213_DEF	L	1000	9	DEMO_PS	10_Demos.10_General.DEMO_PS	11
0213_DEF	L	1000	9	DEMO_PS	10_Demos.10_General.DEMO_PS	11

# Atos Label Print Cockpit (LPC)

## Versioning and Release Scenarios

- ▶ LPC separates layouts from data
- ▶ both are versioned and released independent of each other
- ▶ data versioning is activated for each field individually
- ▶ combination of released layout and data in the printing process
- ▶ result: less objects to be reviewed and released

The screenshot displays the 'Label Cockpit: Layout Maintenance' interface. On the left, a tree view shows the hierarchy: Label Cockpit > Layouts > Material\_Labels > Showcase > DEMO\_CUST > Versions. The 'Versions' list includes items like '0.1 Copy of HRD - TEST\_UIHRI, Ver', '1.1 Show Case Adoption', '2.1 Field Positions Improved', '3.1 More position improvements', '4.0 More position improvements' (highlighted), '4.1 Testupload', '5.0 Testupload', and '5.1 name of phrase field changed'.

The main window shows 'Layout Version' details for 'Layout ID: 4', 'Layout Description: Showcase\_DEMO\_CUST', and 'Layout Version: 4.0' with the note 'More position improvements'. Below this, the 'Label Cockpit: Label Data Release' section is visible, featuring a table with columns for substance and various versioned fields.

SUBSTANCE	EH&S Specification	L	Current	23	22	21	20
Created:			26.03.2014 07:02 A118322	21.11.2013 07:55 A118322	21.11.2013 05:29 A118322	29.09.2011 14:00 A118322	29.09.2011 13:52 A11
Approved:				21.11.2013 07:55 A118322		29.09.2011 14:00 A118322	29.09.2011 13:51 A11
ASK_SUBID	Substance ID		O182	O182	O182	O182	O182
ASK_LABELING_EU_HAZARD_SYMBOL	ASK: Hazard Symbol (old legislation)		CUST-ATJ6:OF1P:2 CUST-AT1	CUST-ATJ6:OF1P:2 CUST-AT1	CUST-ATJ6:OF1P:2 CUST-AT1	CUST-ATJ6:OF1P:2 CUST-AT1	CUST-ATJ6:OF1P:2 C
ASK_LABELING_EU_RPHRASE	ASK: R-Phrase (old legislation)	DE	Entzündlich. Reizt die Haut.	Entzündlich. Reizt die f			
ASK_LABELING_EU_SPHRASE	ASK: S-Phrase (old legislation)	DE	Aerosol nicht einatmen.	Aerosol nicht einatmen.	Aerosol nicht einatmen.	Aerosol nicht einatmen.	Aerosol nicht einatmei
ASK_LABELING_EU_SPHRASE	ASK: S-Phrase (old legislation)	EN	Do not breathe spray.	Do not breathe spray.			
EH_ID_NAM_EINECS	EINECS Name	DE	test with new value	test			
EH_ID_NAM_EINECS	EINECS Name	EN					

Layout versioning and release

Data versioning and release

# Atos Label Print Cockpit (LPC)

## Our Offering

1	LPC Installation	
2	LPC Implementation	
3	LPC Maintenance	
4	LPC Support	

# Atos Label Print Cockpit (LPC)

## LPC Installation

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- ▶ Software and documentation
  - ▶ Software installation
    - LPC ⇒ in customer's SAP system
    - Layout Editor ⇒ on customer's PC
    - Print Server ⇒ on customer's server
- Hardware and infrastructure are provided by the customer.
- ▶ Integrative function test with one printer and a test layout
  - ▶ Licences for EB-Soft software (print server and layout editor)
  - ▶ Fixed price

Hereafter, the system is technically available and ready for customization.  
This is usually achieved in less than one calendar week.

# Atos Label Print Cockpit (LPC)

## LPC Implementation

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- ▶ Implementation project
- ▶ Models to choose from:
  - Starter Kit: defined delivery scope and model at fix price
  - Atos Minimal: customer implements, supported by Atos
  - Atos Maximal: Atos implements, supported by customer
- ▶ Atos Minimal and Atos Maximal follow a 2-stage approach: the detail requirements and project organisation are agreed after an initial workshop. Then, Atos then provides an offer for the agreed deliverables. The borderline between Atos Minimal and Atos Maximal is slidable.

# Atos Label Print Cockpit (LPC)

## LPC Implementation: flexible Models

		Starter Kit	Atos Minimal	Atos Maximal
Pricing Model		Fix Price	Time & Material	
Project Scope		2 labels 1 printer	labels 1&2 1st printer	additional labels & printers
Installation at fix price, supported by customer IT Not part of the implementation project.		AK	AK	AK
Definition der Anforderungen	Printing Transaction	KD, ST	WS	WS
	Process Integration	-	WS	WS
	Authorisation Concept	-	WS	WS
	Routing	KD, ST	WS	WS
	Label Languages	KD, ST	WS	WS
	Layouts	KD, ST	WS	WS
	Data Access	KD, ST	WS	WS
	Printers and Drivers	KD	KD	WS
	Label dispenser	-	WS	WS
	MES Systems / Warehouse Systems	-	WS	WS
LPC Core Enhancement / Add.Functions	-	WS	WS	
			Offer after workshop	

AT	Atos activity
AK	Atos activity, supported by customer
WS	as workshop
KA	Customer activity, supported by Atos
KD	Customer activity
ST	functions only as far as configurable in LPC standard
-	not in scope or not applicable

# Atos Label Print Cockpit (LPC)

## LPC Implementation: flexible Models

		Starter Kit	Atos Minimal	Atos Maximal	
Project Management		AT	KD	AT	
Implementierung	Layouting	AT	AT	KA	
	Printing TA	Setup	AT	AT	KA
		Code Change	-	KA	AT
	SAP Process Integration		-	KA	AT
	Authorisation Concept		-	AT	KA
	Routing	Setup	AT	AT	KA
		Exit Programming	-	KA	AT
	Data Access	Setup	AT	AT	KA
		Fct.Mod. Plugin	AT	AT	KA
		Exit Programming	-	KA	AT
		from 2nd SAP system (2nd LPC installation)	-	KA	AT
		from non-SAP System	-	KA	KA
	Formatierung	Setup	AT	AT	KA
		Exit Programming	-	KA	AT
	LPC Core Enhancement / Add.Functions		-	AT	AT
	Printer incl. RfID		AT	AT	KA
	Label dispenser		-	KA	AT
MES Systems / Warehouse Systems		-	KA	AT	
Q&A for additional labels 3 days		KA	-	-	

# Atos Label Print Cockpit (LPC)

## LPC Implementation: flexible Models

			Starter Kit	Atos Minimal	Atos Maximal
Cut-Over	Documentation	User doc. (User TA)	KA	KA	AT
		Technical doc.	KA	KA	AT
	Training	IT (train the trainer)	AK	AK	AK
		User (train the trainer)	KD	AK	AK
	Test	Test workshop 5 days	-	-	WS
		Test Support 2 days	-	AT	-
		Approval Test	KD	KD	KD
Sign Off		KD	KD	KD	
Go-Live	Preparation (transports...)	KD	-	AT	
	Handover to Production	KD	KA	KA	
	Hypercare	KD	AT	AT	

AT	Atos activity
AK	Atos activity, supported by customer
WS	as workshop
KA	Customer activity, supported by Atos
KD	Customer activity
ST	functions only as far as configurable in LPC standard
-	not in scope or not applicable

# Atos Label Print Cockpit (LPC)

## LPC Maintenance

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- ▶ bug fixing and update service for EB-Soft print server, EB-Soft Layout Editor and Atos LPC Core applications (Package /AOL/CA\_LABEL)
- ▶ support by phone and remote access Monday – Friday from 8:30 – 17:00 CET
- ▶ not contained:
  - errors from operation systems, hardware, network and incorrect usage
  - adoption to changed business processes or data
    - e.g. changes in SD/WM delivery customizing, leading to different data access
    - e.g. changes in EH&S Setup, like another content provider, leading to different properties

# Atos Label Print Cockpit (LPC)

## LPC Support

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- ▶ in addition to LPC maintenance
- ▶ right-fit Application Management Services in different stages of extension
  - for continuous operations: service level agreements, e.g. on solution time
  - for changes: frame agreement or call order
- ▶ delivery from
  - On-shore (Germany)
  - Near-shore (Russia, Poland)
  - Offshore (India)
- ▶ integration into customer's support- and change- processes with the „Harmonized Delivery Process“
- ▶ individual agreement

# Atos Label Print Cockpit (LPC)

## LPC Prototype

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### Challenge the LPC: Proof of Concept

- ▶ ... with one of *your labels*
- ▶ ... with one of *your printers*
- ▶ ... on *your SAP system*



### System installation and prototype implementation

- ▶ in **2 calendar weeks**
- ▶ no licensing for prototype

### Reuse the prototype!

- ▶ starting point for implementation project
- ▶ credited against a future project



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## Thank You

For more information please contact:  
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September 20<sup>th</sup>, 2014

# product compliance pack

REACH & GHS Compliance.  
Cost efficient and future proof.

## REACH and GHS

For today's companies the maintenance of chemical, physical, safety and other data for their substances has become a major issue regarding to global and European legislation, like GHS and REACH.

REACH is the Regulation for Registration, Evaluation, Authorization and Restriction of Chemicals. It entered into force on 1st June 2007 to streamline and improve the former legislative framework on chemicals of the European Union (EU). REACH places greater responsibility on industry to manage the risks that chemicals may pose to the health and the environment.

The aims of REACH are to:

- ▶ Improve the protection of human health and the environment from the risks that can be posed by chemicals;
- ▶ Enhance the competitiveness of the EU chemicals industry, a key sector for the economy of the EU;
- ▶ Promote alternative methods for the assessment of hazards of substances;
- ▶ Ensure the free circulation of substances on the internal market of the European Union.

In principle REACH applies to all chemicals: not only chemicals used in industrial processes but also in our day-to-day life, for example in cleaning products, paints as well as in articles such as clothes, furniture and electrical appliances. REACH replaces about 40 pieces of legislation with a streamlined and improved Regulation. REACH has been designed not to overlap or conflict with the other chemical legislation (like GHS/CLP).

The REACH regulations state that, above a certain quantity of chemicals and other hazardous substances, you must register with the authorities the maximum quantities of these substances that you plan to purchase, import, produce, sell, or export within a certain period.

## Impact of REACH and GHS

The introduction of REACH has a high impact on the process industry, due to the fact these heavy formulators use a large number of raw materials and introduce a large number of new formula's which are affected. Costs for preparation of the technical dossier and registration could be high, depending on the availability of assessments and study material and collaboration in a SIEF. Furthermore, these heavy formulators need to align or embed REACH processes or process controls in the current business processes, some of which are business critical. Without e.g. uses and exposure scenario confirmations from customers and suppliers and related registration, it is not allowed to import or sell the product within the REACH area. Besides the fulfillment of the technical dossier, the data needs to be published on the regulatory documentation, such as the SDS.



# Product compliance pack

## Product Compliance Pack predefined best practice processes

### Product Compliance Pack

Atos provides a scalable business solution, Product Compliance Pack, which helps businesses achieving REACH and GHS compliance by assisting in the regulatory analysis of complex product formulations and generating hazard communication documents such as the MSDS/SDS, labels, etc. The Product Compliance Pack delivers predefined and compliant business processes for New Product Introduction (NPI), Product Safety, Dangerous Goods Management, Trading Goods, Substance Volume Tracking, Product & REACH Compliance 2.0, Incident Management and Label Printing.

It also includes the necessary regulation content.

End-to-end processes	Example Regulatory Compliance
Product Safety Management	SDS - Product safety legislations
Dangerous Goods Management	IMDG, IATA, TDG, ADR, RID etc.
Trading Goods Management	SDS - Product safety legislation
Substance Volume Tracking	REACH - tonnage bands
Supply Chain Collaboration	REACH - U&E scenarios
Product and REACH Compliance 2.0	REACH, EU-RoHS China RoHS, IMDS, etc.
Label Printing	GHS, CLP

## Processes within the Product Compliance Pack

### Supply Chain Collaboration

Compliance Management contains functionality that supports the communication processes related to U&E according to REACH and the cooperation within the logistic chain towards both the suppliers and the customers.

### Product Safety

Product Safety is the core of the SAP EH&S solution and provides your company with a solid base for facing REACH/GHS/CLP obligations.

### Dangerous Goods Management

The solution empowers companies for the full automatic dangerous goods management process throughout the entire supply chain.

### Trading Goods

The Trading Goods scenario enables companies to import Safety Data Sheets in SAP EH&S that are created outside their own EH&S environment.

### Substance Volume Tracking

Substance Volume Tracking determines the volumes of substances existing in products available in warehouses, production lines and in the sales process. This module will assist you in achieving a REACH compliant product life cycle.

### New Incident Management

Incident management supports a complete closed-loop incident management process - from initial reporting of near-misses or accidents, through investigation, final close-out and reporting. All incidents are managed in one system, with automatic data collection with SAP software.

### Product and REACH Compliance 2.0

Process and discrete industry manufacturers need to prove the safety of substances, products, and their uses according to the REACH regulation. Discrete industry manufacturers need to provide proof of compliance with environmental directives, such as EU RoHS, China RoHS, JIG, and GADSL.

### Label Print Cockpit

The LabelPrintCockpit offers a solution for the immediate, quick and error-free creation of labels for hazardous materials, dangerous goods, product and logistics, following the currently applicable regulations of the new GHS ordinance.

## Components of the Product Compliance Pack

- ▶ SAP EH&S;
- ▶ SAP REACH Compliance Suite;
- ▶ Compliance Engine;
- ▶ WWI - regulatory document generator;
- ▶ DataLink;
- ▶ Enhance;
- ▶ Solution Manager;
- ▶ ARIS - Business Designer.

The Product Compliance Pack is based on SAP EHS Management and the SAP REACH Compliance Suite, and comprises:

- ▶ Full documented processes in ARIS;
- ▶ Business blueprint document, based on best practices and fit/gap analysis;
- ▶ Configuration settings and documents in SAP Solution Manager;
- ▶ Regulatory content specific for your line of business and geographies;
- ▶ Multi-lingual phrase library (44 languages);
- ▶ WWI SDS templates (Global, including GHS/CLP).

Additional components used are the Compliance Engine, DataLink and Enhance.

### Accelerated Implementation

The Product Compliance Pack offers a thorough and efficient approach for your REACH compliance project. Based on the experience of multiple implementations, Atos has designed it as a proven, best practice solution. Because of the modular setup, you can choose and pick the processes and functionalities relevant for you.

### Sector Specific Solution

Companies in specific industries operate in a complex regulatory environment, resulting in high costs and complexity of compliance management.

The Product Compliance Pack enables companies in specific industries to leverage regulatory product compliance as a sustainable competitive advantage. Combining the foundation of SAP EH&S Specification Database and related modules and value-added, highly dynamic Managed Regulatory Content, Atos Origin's Product Compliance Pack offers in addition to generic regulations, sector specific content for the following industries:

- ▶ Paints, Coatings & Inks
- ▶ Healthcare
- ▶ Chemical & Petrochemical
- ▶ Adhesives & Sealants
- ▶ Fragrances & Flavours
- ▶ Pharmaceutical

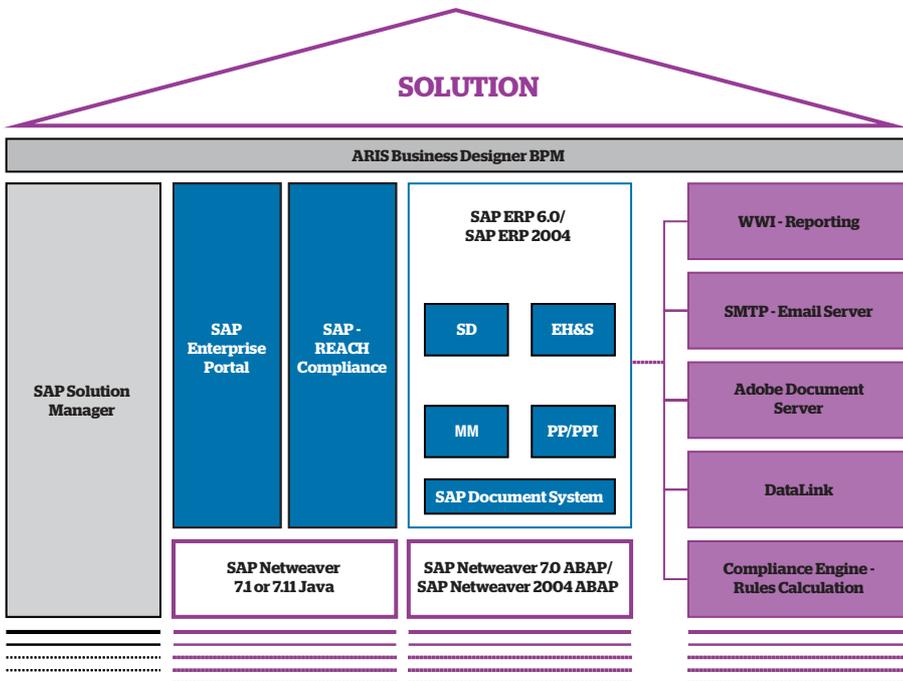
The ready-to-run documented processes in ARIS and SAP Solution Manager eliminate the need for extensive and expensive solution blueprinting. Furthermore, implementation accelerators will enable a lean and efficient way of introducing the solution in your organization.

**Benefits**

- ▶ Full scalable solution;
- ▶ Possibility to integrate with ARIS Business Designer;
- ▶ Accelerators, such as predefined end to end processes (ARIS and Solution Manager);
- ▶ Predefined EH&S and REACH blueprint and configuration documents;
- ▶ Shorten implementation projects (fit/gap instead of blueprint);
- ▶ Sparring partner for EH&S and REACH optimization, supported by IT solutions;
- ▶ Global Coverage of Regulatory Rules, all local GHS implementations supported, automated generation of full 16 section SDS in 44 languages; less ongoing customization and maintenance;

The Product Compliance Pack is developed using Atos worldwide experience in SAP EHS Management implementations. As a result it enables companies to quickly apply industry best practices for achieving product compliance.

- ▶ Impact assessment of classification and labeling changes due to changes in regulations and / or product data on-line, before committing them in EH&S;
- ▶ Enhanced functionality for automation, efficiency, transparency and management of rules results;
- ▶ Robust, scalable solution, underpinned by enterprise IT architecture, a must have for all formulators;
- ▶ Fixed implementation time;
- ▶ Fixed scope;
- ▶ Fixed pricing;
- ▶ Turn key solution.



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# Product compliance pack

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## More information

Atos Product Compliance Pack is a future proof and cost effective solution, which enables companies reaching their product compliance goals.

For more information, please visit:

[nl.atos.net/productcompliancepack](http://nl.atos.net/productcompliancepack)

You can use the PCP Budget Estimator to get an indication of the costs. Based on a number of simple questions about your specific situation and requirements, you will receive a budgetary quote for the implementation of the Product Compliance Pack in your organization.

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### Atos and EH&S

Atos is a leading international information technology (IT) services company, providing hi-tech transactional services, consulting, systems integration and managed operations to deliver business outcomes globally. Atos is the Worldwide Information Technology Partner for the Olympic Games and has a client base of international companies across all sectors.

Atos has worldwide experience in SAP EH&S Management implementations and an extensive track record in manufacturing and healthcare industries.



Atos received the SAP Quality Award 2010 for her SAP REACH Compliance Suite implementations.



Atos became Special Expertise Partner Sustainability in 2011