

CE Marking

# Risk Assessment

Standards Management



## The practical software solution for Risk Assessment of machinery and facilities planning

- Risk Assessment
- CE Marking processes according to the Machinery Directive
- StandardsManager
- NormAnalyser
- Operating Instructions Assistant
- Check- and Acceptance Assistant
- Trainings and seminars

**Safexpert**

Efficient tool for CE marking

**iBf**  
Automation & Safety  
TECHNOLOGY

Mechanical / Control engineering – Plant construction

# What is Safexpert?

Safexpert is the TUV approved practical solution for safety-related project management. It is the ideal platform for project based knowledge management, providing direct access to the full text of European standards, as well as management of acquired knowledge.

## More than just CE compliance software

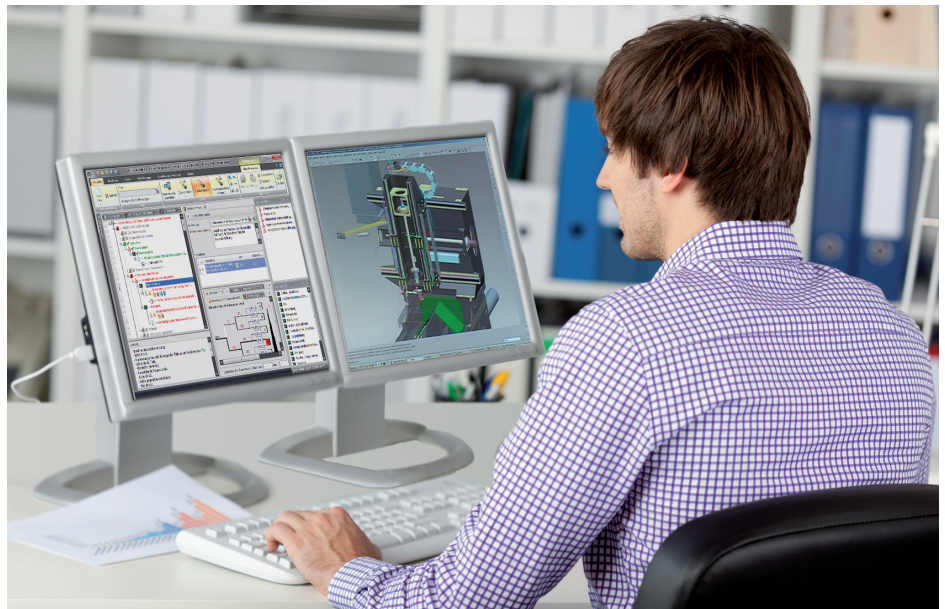
Supporting engineers and project planners since 1995, Safexpert was the first software tool on the market for risk assessment according to safety directives regulating machinery. Over the years, we expanded Safexpert with these modules and functions:

- CE marking process according to the Machinery Directive
- StandardsManager
- Operating Instructions Assistant
- Check- and Acceptance Assistant
- Update wizard
- Pictogram library

Thousands of engineers and project planners of machinery, controls, and facilities solution worldwide use Safexpert – the perfect solution for systematic and standard compliant CE certification of machinery and equipment.

Continuous Improvement is key part of our development strategy. These features are constantly updated:

- TUV certified compliance with current standards and guidelines, in order for you to be confident to trust Safexpert.
- Timely adjustments in changes of standards or policies, so you can focus on your core business.
- Automatic conversion of existing data when standards or policies change so you can continue to work on your projects without interruption.
- Automated update checks in order to see if safety-related solutions still meet all the valid standards before signing the Declaration of Conformity.
- Work intuitively in a familiar user interface according to modern Windows default.



Safexpert has supported engineers and project planners since 1995 in obtaining an overview of safety-related aspects and standards relevant to their projects.

## Eight important reasons that speak for Safexpert:

- 1** Safexpert guides you step by step through the conformity assessment according to the Machinery Directive and helps you to meet the documentation requirements required by law.
- 2** Safexpert facilitates systematic risk assessments according to EN ISO 12100, and at the push of a button determines for which identified hazards the risks have not yet been sufficiently reduced.
- 3** With Safexpert you can use already existing projects or templates, so you do not need to start from scratch with each new project!
- 4** With Safexpert you can manage your projects centrally and consistently. Documents for authorities, insurance companies and for future references are always quickly located.
- 5** Safexpert manages your important standards and automatically checks if standards have changed, and checks whether current projects or template are affected.
- 6** Safexpert is fully network integrated. All team members stay up-to-date with progress of projects and their documentations. Data can be centrally managed for easy retrieval.
- 7** Safexpert archives valuable knowledge and experience. Technical know-how remains in your company even in the event that key personnel depart the company.
- 8** With its modular structure and flexibility for standalone or network operations, Safexpert is suitable for small and mid-sized companies as well as enterprise level deployments.

# Who needs Safexpert?

Safexpert is aimed primarily at designers and project planners of machinery, facilities and controls. It is also aimed to all other persons involved in the process of product development, auditing and inspections of machinery and equipment.



Starting from German speaking countries, Safexpert has captured market share around the world. For us, this is reinforcement and motivation to continue on this proven path.

## Export of machinery

ISO 12100 has much in common with safety standards of other countries outside of the EU, such as the USA or Australia. With Safexpert you convert hazard lists in your project between similar standards such as ANSI/ISO 12100 and AS 4024. This provides a basis for meeting safety requirements when bringing your product to markets even if CE requirements do not apply.

## Awarded twice

Not us, but readers of renowned journals helped Safexpert to outstanding awards:



Safexpert was nominated for the AUTlook Innovation Award 2014.

## Independently audited

Since the very beginning of developing Safexpert the drawing on the knowledge experienced specialists and independent inspection authorities have been very important to us. In this way we ensure that the conformity of Safexpert with relevant Standards and laws is confirmed by a third party.



## Small and mid-sized companies as well as international enterprises trust Safexpert

The Safexpert user base is growing month by month. A selection of Safexpert users with the most demanding selection criteria for software products:

- |                     |               |
|---------------------|---------------|
| ■ BASF              | ■ Rockwell    |
| ■ Lufthansa Technik | ■ Haribo      |
| ■ Airbus            | ■ SICK        |
| ■ Swarovski         | ■ MAGNA       |
| ■ Dematic           | ■ Weatherford |
| ■ Emerson           | ■ Whirlpool   |
| ■ Bosch             | ■ ABB         |
| ■ BMW               | ■ Haeger Inc  |
| ■ Daimler           | ■ Derrick     |
| ■ Mercedes-Benz     | ■ GEA         |
| ■ Outotec           | ■ KUKA        |
| ■ Siemens           | ■ Miele       |
| ■ ThyssenKrupp      | ■ WATEROUS    |
| ■ TÜV Rheinland     | ■ and more    |

You can find more references here:

[www.ibf.at/en/references](http://www.ibf.at/en/references)



## The optimal system for your business

On the next few pages you can find out, which Safexpert modules are suitable for you? Our trained consultants are happy to assist you in your choices. Just call us or visit one of our free Safexpert WEB-presentations.

[www.ibf.at/en/web-presentation](http://www.ibf.at/en/web-presentation)



## Package 1:

# Safexpert Risk Assessment

Easy and systematic according to EN ISO 12100



## Your fast entry into risk assessment

Perhaps the time is short and you want to perform an easy and fast risk assessment without prior software training. Then the Safexpert Risk assessment package is exactly right for you.

## Start immediately

As a user of Safexpert risk assessment you get access to the free "Easy User Quick Guide". This leads you directly to risk assessment according to EN ISO 12100:



**Safexpert 8.2 – Easy User Quick Guide**



**NEW:**  
Safexpert WEB-Training  
„Risk Assessment compact“  
in just 2 hours

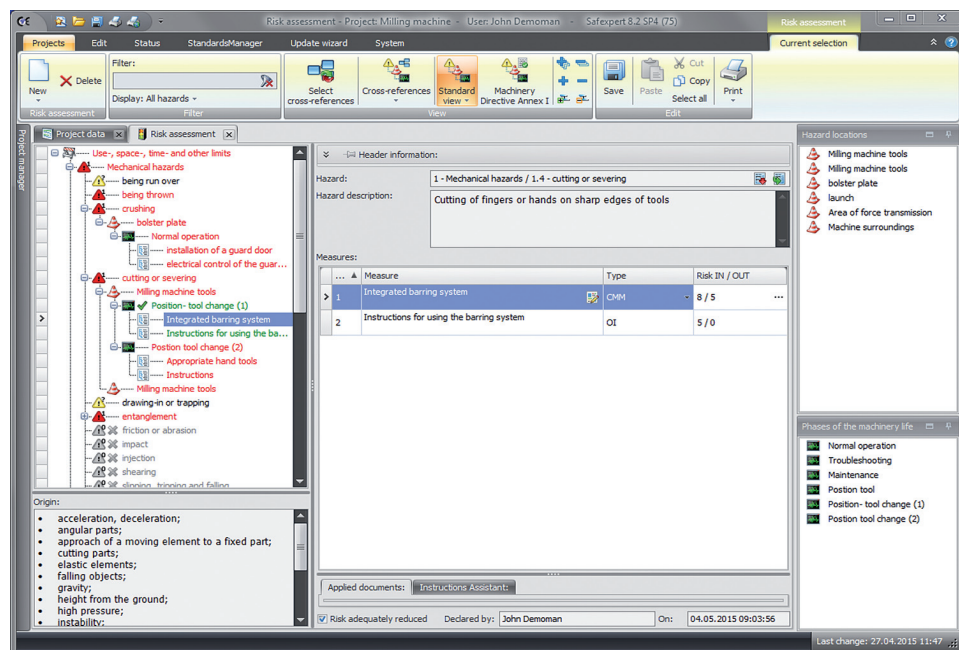
**Your quick access  
to the  
Risk assessment**

Efficient safety of machinery  
and plant with Safexpert

### Later upgrade of licenses is possible

Experience has shown us that users discover additional requirements than originally assumed. We have a larger selection of modular Add-ins to accommodate your evolving needs. At any time you can update your license to easily expand your Safexpert functionality. In this way you get exactly the functionality you need, when you need it. Of course, all your data is stored.



Based on the hazards, dangerous locations, and phases of life and risk reduction measures you always have a maximum overview. Colorful display modes and filter functions help you not to oversee something important.

**Standard view**  
Hazards - Hazard locations - Phases of the machinery life (standard)

**Hazard locations**  
Hazard locations - Hazards - Phases of machinery life

**Phases of the machinery life 1**  
Phases of machinery life - Hazards - Hazard locations

**Phases of the machinery life 2**  
Phases of machinery life - Hazard locations - Hazards

### Maximum Overview

With a few mouse clicks you can turn the risk assessment into one of the four views. So you see, for example, at a glance where risk areas that cause hazards or dangers are, for example, in normal operation, during cleaning, the maintenance or in other phases of life of the machine occur.

## Customer opinions

We have been using Excel and always had a lot of effort when standards changed. With the Safexpert service contract we always stay up to date.

Gottfried Aschauer  
Head of Strategic Development  
Wintersteiger AG

With Safexpert we bring order and system to the risk assessment. This is especially useful for us in order to see which areas of risk assessment are still uncompleted.

Daniel Siemons  
Product Safety & CE Compliance  
Director



„The manufacturer of machinery [...] must ensure that a risk assessment is carried out in order to determine the health and safety requirements which apply to the machinery. The machinery must then be designed and constructed taking into account the result of the risk assessment..“

*Machinery Directive 2006/42/EC, Annex I, General Principles*

## Projects are clearly managed

The Safexpert risk assessment package comes with a practical project manager. This supports you with:

- Always keep track of open projects
- Templates can be quickly located
- All safety-related reviews and solutions can be achieved for future modification.
- You can quickly retrieve documented risk assessments for regulatory authorities and insurance companies.

### Structure clearly plant projects

Safexpert is suitable for very small projects in the same way as for complex industrial plants. In order to always keep an overview about plant projects, you can arrange the plants of modules and interface.

### Industry specific templates

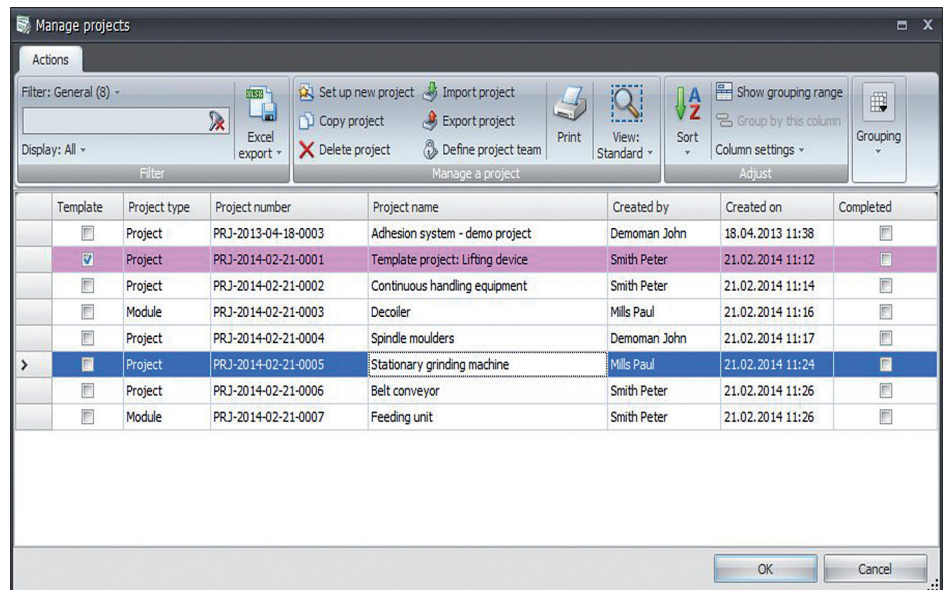
Are you looking to draw on existing industry specific risk assessment for a particular machine type that you could use as a template for your project?

Or are you an expert in a particular industry and would like to offer this service to other Safexpert users? Then have a look at our website and learn about our Standards Expert Community and Safexpert Solution Store!

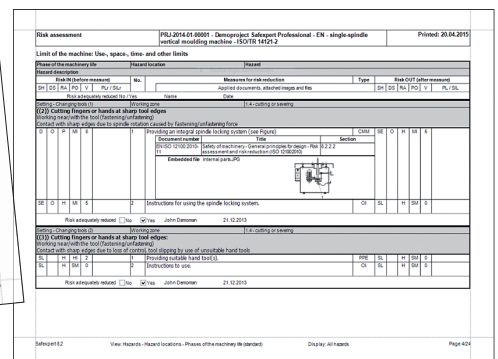
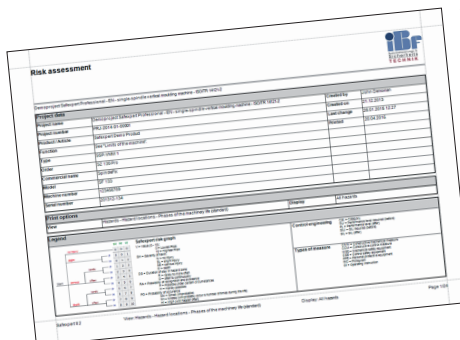
[www.ibf.at/en/solutionstore](http://www.ibf.at/en/solutionstore)

### Available languages:

German, English, French



Safexpert manages your projects and risk assessments in a database on your PC or on a central company server. So you can be sure that you always find the required data in the latest valid version.



### Practical example

The Safexpert demo version contains an example according amendment A of the technical rule ISO/TR 14121-2. The printout of the risk assessment is executed according to this rule. This technical rule is particular suitable for self-study.

Purchase information Safexpert Risk Assessment	First license	Follow-up license
	Art.-No.	Art.-Nr.o
Safexpert Risk Assessment	4000-SE-ELEN	4000-SE-FLEN
Service contract per year	4000-WV-ELEN	4000-WV-FLEN
2-hours WEB-training: Risk assessment compact with Safexpert	2425	2426
Technical rule ISO/TR 14121-2	ISO/TR14121-2	
Individually support per WEB-conference	We gladly send you an offer, of course, without obligation.	

Dates WEB training: [www.ibf.at/en/seminars](http://www.ibf.at/en/seminars)

## Package 2:

# Safexpert Basic

## CE Marking processes according to the Machinery Directive

### Safexpert Basic

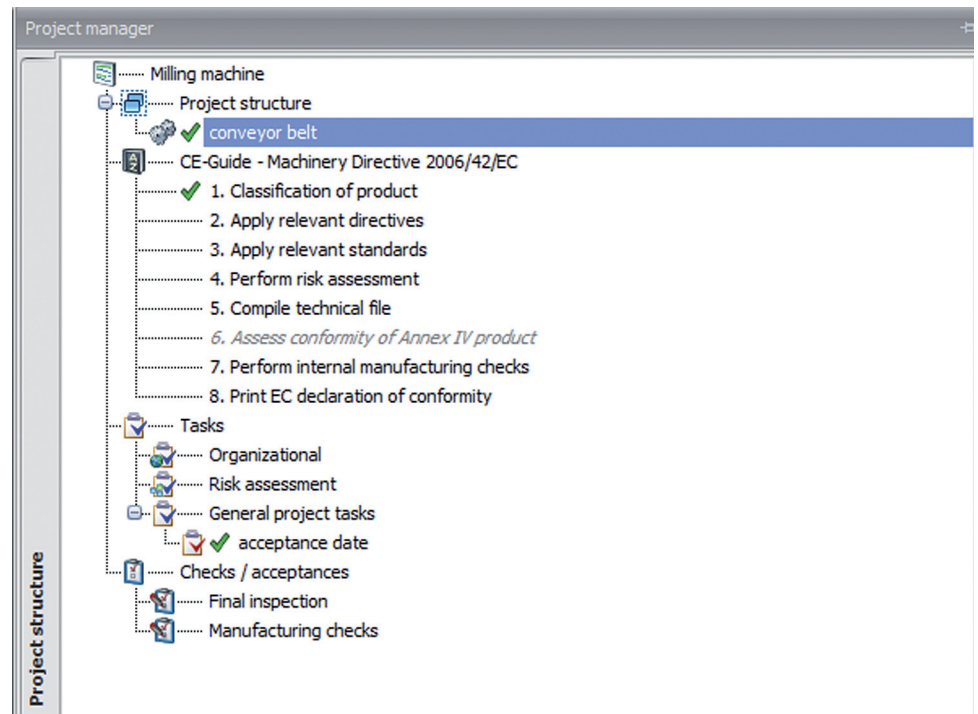
Safexpert Basic includes all the features of the module Safexpert risk assessment. Additional, these functions support you:

#### CE Marking processes according to the Machinery Directive

The “CE-Guide” guides you through eight steps in the CE marking process. At a glance the project manager reveals which steps are already completed and which are still open.

#### General project task

Safexpert clearly organizes project specific tasks. This helps prevent overlooking important requirements.



### Customer opinion

Knowledge management in the field of safety engineering is an important chapter for the future. For several years now, Safexpert has been supporting us to centrally manage our hazard analysis documentation. Being able to fall back on proven solutions enables us to rationalize our engineering processes. We would not do without Safexpert in our company.

*Wilfried Fladl  
Fill GmbH Maschinen und Anlagen*

We recommend Safexpert as an aid for the CE-marking of Plant and Machinery.

*Georg Trzesniowski  
TUV Austria*

In Safexpert project manager, any member of the project team can get an overview of all completed and outstanding issues.

#### Check/ Acceptance

If you have the additional module “Check-and Acceptance Assistant” (page 13), the Safexpert project manager tracks all necessary checks for the active project.

#### Risk assessment based on C-standards

With Safexpert you can customize special cross reference lists. These lists lead you Step by step through the safety solutions that are proposed in the product standard. This flexibility lets you adapt Safexpert to industry specific requirements.

#### Use template projects as the optimal source of knowledge

Even more convenient is the use of industry-specific template projects. These include a complete risk assessment with previously proposed solutions, a standard specific checklist to compile the technical documents and much more.

Information about already available cross-reference lists and template projects can be found at:

[www.ibf.at/en](http://www.ibf.at/en)

Member States shall regard machinery bearing the CE marking and accompanied by the EC declaration of conformity [...] as complying with the provision of this Directive.

Machinery Directive 2006/42/EC, Article 7(1)

### Especially valuable additional functions for risk assessment

The Machinery Directive in relation to risk assessment is fulfilled if the appropriate solutions for sufficient risk reductions are chosen and documented.

However, Safexpert offers the possibility to save other details to every description of a risk assessment, such as:

- Photos or other documents
- The required performance level according to ISO 13849-1 or the required SIL in accordance with IEC 62061
- For example, task which must be completed for internal production audits
- Standard sections which were used in the development of the safety measures
- Interfaces with Sistema including all data which were saved in Sistema

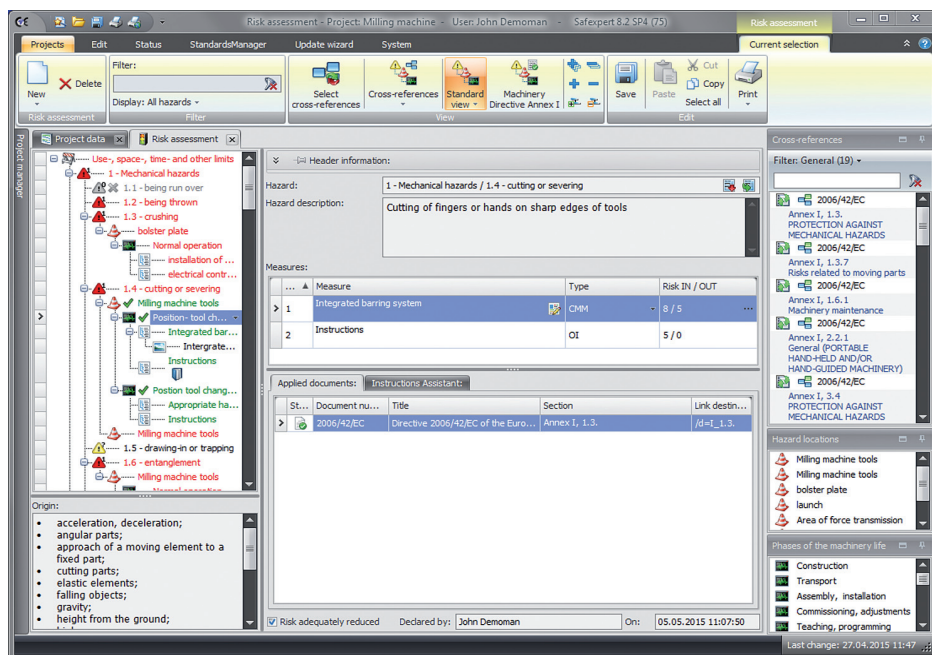
Safexpert offers through this structured database valuable currency checks (see page 8). Take your time to recognize the potential to save time and to increase quality for your business.

#### Additional, Safexpert offers:

- Cross-references to important standards and directives, in order to locate standardized solutions quickly
- A centrally located library to store proven solutions for your company

#### Available languages:

German, English, French



Safexpert Basic provides to each hazard an individually extensible and customizable industry-specific cross-reference for standards and directives. These support you with the development of safety related and standard compliant solutions. In addition, detailed data is stored for each action, forming the basis for automatic update checks (see page 14).

### Safexpert Solution Store

Are you looking to draw on existing industry specific risk assessment for a particular machine type that you could use as a template for your project or industry specific cross-references? We are happy to assist you if you do not find anything specific at the Safexpert Solution Store.

[www.ibf.at/en/solutionstore](http://www.ibf.at/en/solutionstore)

### Standards Experts Community

Are you an expert for particular machinery and/or C-standard and would like to offer specific templates for operation manuals or solutions to other Safexpert users? Then join our Standards Expert Community!

[www.ibf.at/en/secom](http://www.ibf.at/en/secom)

Purchase information Safexpert Basic	First license	Follow-up license
	Art.-No.	Art.-No.
Safexpert Basic	4001-SE-ELEN	4001-SE-FLEN
Service contract per year	4001-WV-ELEN	4001-WV-FLEN
2-hours WEB-training: Risk assessment compact with Safexpert	2425	2426
2-hours WEB-training: W2: Conformity Assessment with Safexpert	2427	2428
Individually support per WEB-conference	We gladly send you an offer, of course, without obligation.	

Dates WEB training: [www.ibf.at/en/seminars](http://www.ibf.at/en/seminars)



# Package 3: Safexpert Compact

## More than just a standard database

### More value through Safexpert Compact

Safexpert Compact includes all the features of the packages Safexpert Risk Assessment and Basic. In addition, you are supported by these modules:

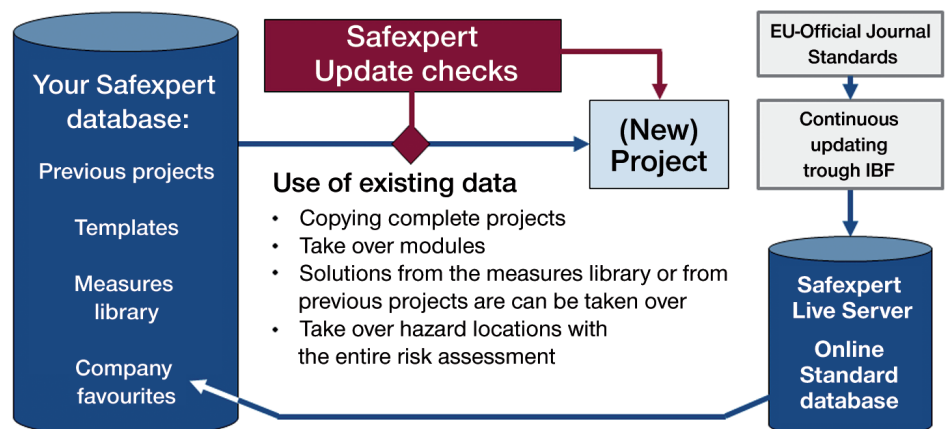
- Safexpert StandardsManager
- Pictogram library

#### Overview of a jungle of standards

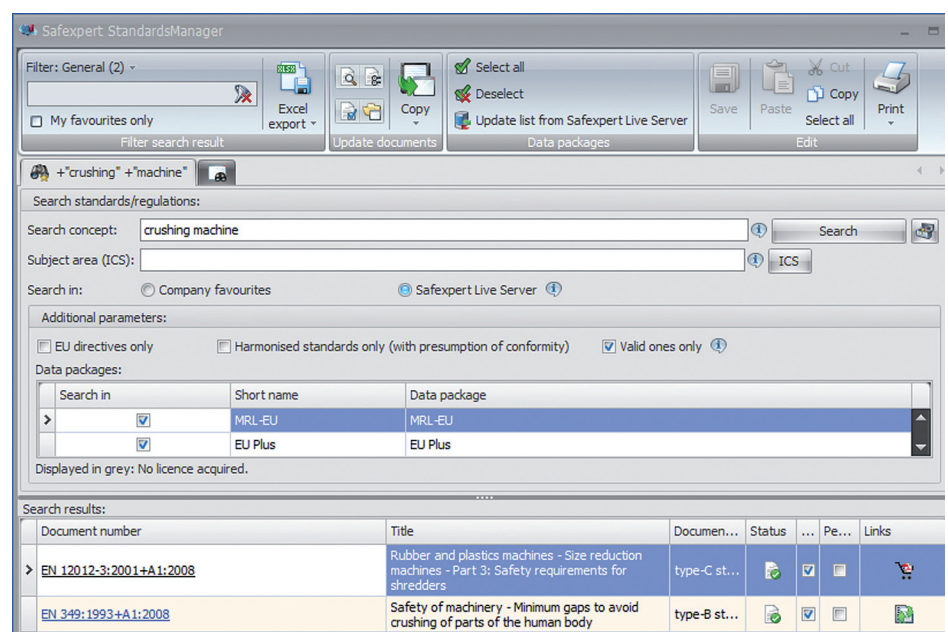
At first glance, one might assume that Safexpert StandardsManager is a conventional standard database. However, the added value goes far beyond simply managing standards:

- When you copy part of a solution from previous project, Safexpert StandardsManager automatically checks if it the referenced standards are still up to date.
- Safexpert regularly checks if changes to standards affect your current project and which team members are affected.
- All team members for whom the 'personal favorites' have changed, are automatically notified by email.
- Safexpert automatically checks upon opening a project if safety measures need to be checked due to standard changes.

To be able to utilize all of the automation possibilities, you must indicate in the risk assessment under which standards the safety-related solutions have been developed. All you need is a valid maintenance contract for the respective data packages.



Automated engineering with Safexpert will save you lot of time on future projects. Simultaneously, the safety-related quality management will be support and the risk of product liability will be reduced!



With Safexpert you enter your search term in a row, much like Google. In addition, Safexpert provides efficient search capability in order to search which subject area includes your product and what standards are available for the subject area.

#### Specific data packets for CE-Marking of machinery and plants

The data packets contains the bibliographic data of standards such as standard number, issue date, predecessor and successor documents, withdrawal date, date of cessation of presumption etc. Based on this data, you can find quickly important standards. You can also keep your standards database and template projects very easy up to date.

„All of the documents [...] must be regularly reviewed and updated when changes are made to the design or manufacture of the machinery concerne.“

*Guide to application of the Machinery Directive 2006/42/EC, § 392, last subsection*

„A machine design which is acceptable at a particular time could be no longer justifiable when technological development allows the design of an equivalent machine with lower risk.“

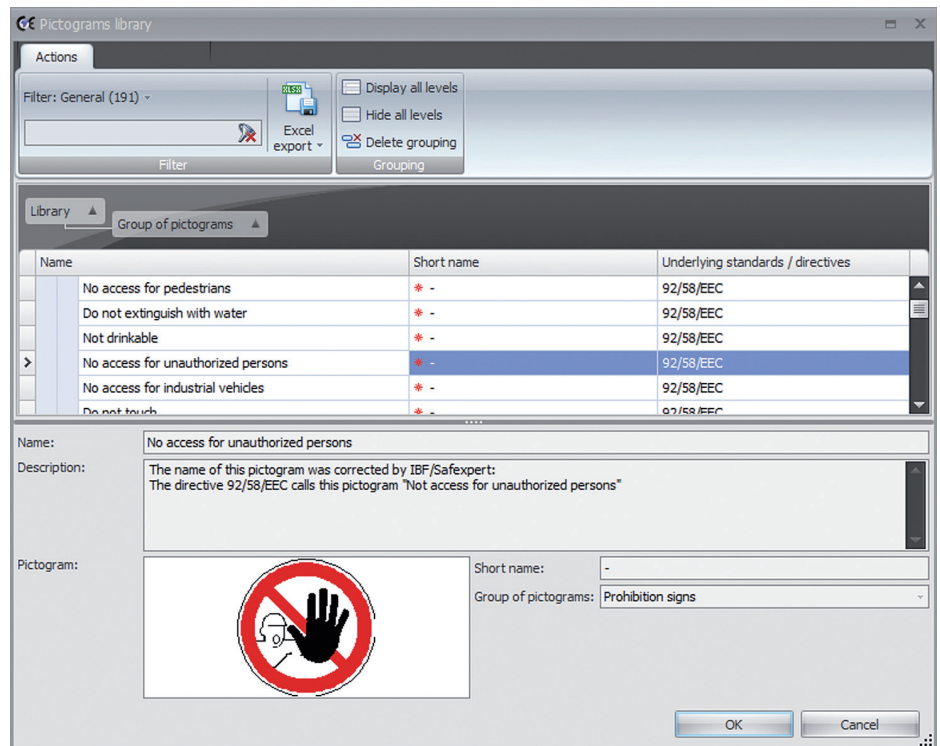
*EN ISO 12100:2010, Part 4, Note 2*

## Manage your own standards

With Safexpert StandardsManager, you can manage your own standards, company standards, engineer manuals or other documents. These documents are automatically included in update and relevance checks. This will ensure that employees from your engineering team are not working with outdated guidelines!

### Interface to your existing standard database

You have an existing standard database solution and you do not want to pay for it again? Please contact us for an offer to check if the development of an interface, which works with your system, makes sense and if it is economically feasible.



## Pictogram library

Safexpert includes an individually expandable database of standardized pictograms. So you can select the appropriate pictograms during the risk assessment, to indicate any remaining hazards.

After building the machinery, the assemblers' check the pictogram list if all pictograms were properly installed and confirms it in Safexpert. The project can only be completed when all pictograms were marked with "Attached" sign.

### Available languages:

German, English, French



## Customer opinion

For us Safexpert is the ideal tool for risk assessments and CE-documentations.

The structuring of plant-projects gives us the possibility also to handle big/complex projects in a clear and structured way. But also for Risk assessments for machinery outside Europe Safexpert is a very helpful tool.

*Eric Michelsen,  
Thermtech AS*

Purchase information Safexpert Compact	First license	Follow-up license
	Art.-No.	Art.-No.
Safexpert Compact	4002-SE-ELEN	4002-SE-FLEN
Service contract per year		
Safexpert Compact	4002-WV-ELEN	4002-WV-FLEN
Data package MRLEU : updates according to the Official Journal of the European Union in terms of the Machinery Directive	4020-WV-ELEN	Yearly amount per server installation
Data package EU-Plus: updates according to the Official Journal of the European Union in terms of Low-voltage	4021-WV-ELEN	Yearly amount per server installation

# Package 4: Safexpert Professional

„Machinery manufactured in conformity with a harmonized standard, the references to which have been published in the Official Journal of the European Union, shall be presumed to comply with essential health and safety requirements covered by such a harmonized standard. “

*Machinery Directive 2006/42/EC, Article 7(2)*

## Safexpert Professional

Safexpert Professional includes all the features of the packages Safexpert Risk Assessment, Basic and Compact. You also have access to the standard package „Safexpert Standard“ with these harmonized European standards:

- EN ISO 12100: Risk assessment and risk reduction
- EN ISO 13849-1: Safety-related parts of control systems
- EN ISO 13850: Emergency stop
- EN ISO 13855: Positioning of safeguards
- EN ISO 13857: Safety distance
- EN 349: Crushing
- EN 60204-1: Electrical equipment of machines

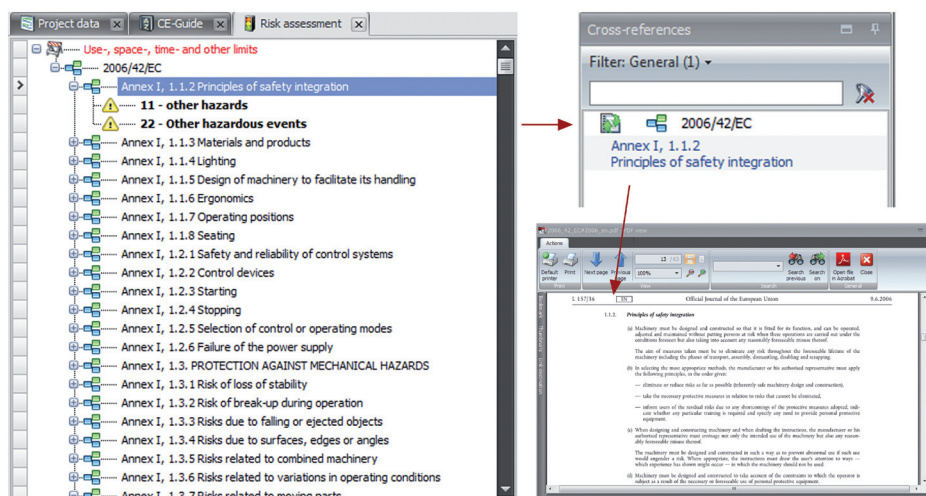
The standards are delivered in electronic form through activation of them in the Safexpert Life Server

### Looking for a solution to manage the standards which you have already purchased?

Link your own standards to Safexpert, even from an external source. Clarify the licensing conditions with your standards supplier.

Consider anyway that the standards which come with Safexpert have been populated with metadata by the Safexpert development team. This facilitates searching through overlapping standards in multiple locations.

Standards are available in:  
German and English



Cross-references to important standards and directives make the search for appropriate safety solutions for risk reduction for the engineers during the risk assessment easier. By double clicking on these links, the standard is opened directly at the corresponding location.

### Several simultaneous accesses

If you work with a lot of standards in your company, it can easily lead to overlaps in the application. Then just place your order for a license for several simultaneous accesses to standards under very reasonable terms.

### Customer opinion

A good software for safety analysis and risk assessment.

*Julian Jiao  
KUKA Flexible Manufacturing Systems  
(Shanghai)*

Purchase information Safexpert Professional	First license	Follow-up license
	Art.-Nr.	Art.-Nr.
Safexpert Professional	4003-SE-ELEN	4002-SE-FLEN *
Service contract per year		
Safexpert Professional	4003-WV-ELEN	4002-WV-FLEN*
Data package MRL-EU : updates according to the Official Journal of the European Union in terms of the Machinery Directive	4020-WV-ELEN	**
Data package EU-Plus: updates according to the Official Journal of the European Union in terms of Low-voltage	4021-WV-ELEN	**
Net-license „Standard“ Multi-user-access to the standards package „Standard“ for up to 5 users at the same time		
up to 5 users	3300-005-EN	Multi-user access for 10 or more users on request

\* only available in combination with Safexpert net-license „Standard“

\*\* Only one license is necessary per installation



# Add-in module 1: Safexpert Standard Plus

„In order to help manufactures to prove conformity to these essential requirements, and to allow inspection of conformity to the essential requirements, it is desirable to have standards that are harmonized at Community level for the prevention of risk arising out of the design and construction of machinery.“

Machinery Directive 2006/42/EC point nr.18

## The perfect addition to Safexpert Professional

This add-in module includes a selection of more than 50 European standards in full text.  
When you buy this standard packet in addition to Safexpert Professional, you acquire the standards at a 70% discount over purchasing the standards individually- a savings of more than € 4100 –more than the cost of the entire Safexpert Professional package.

### Worldwide access to our standards network

In cooperation with our partner, the Austrian Standards Plus GmbH, we offer access to harmonized European standards in a floating license model. Reduce the cost of purchasing the same standard multiple times for multiple sites.

### Maintenance contract for standards update

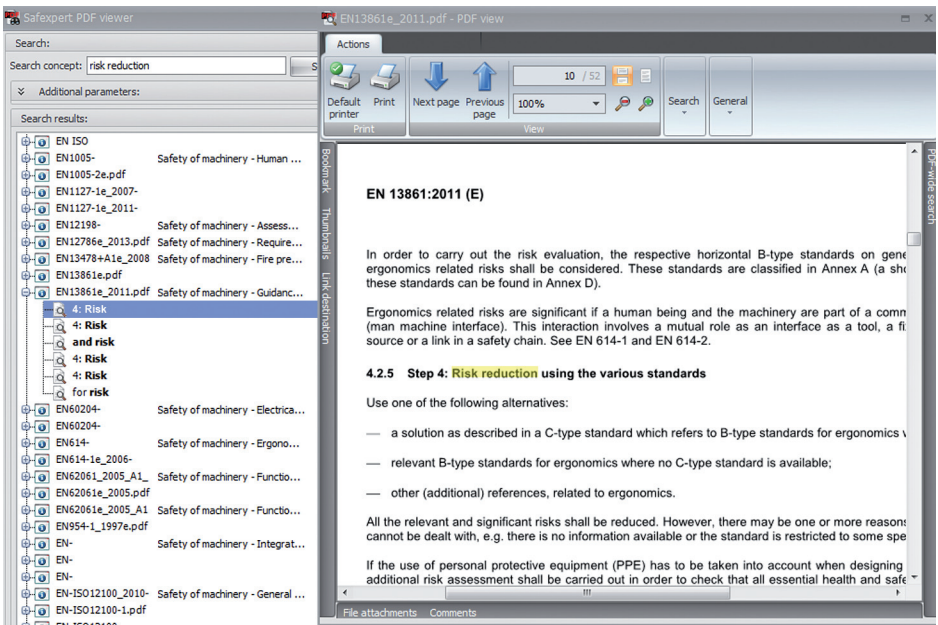
With our maintenance contract you are always up to date. Automatic update and relevance checks also apply to the standard package in Safexpert Standard Plus.

### Specific standards for your industry

In addition to the standard packages, you can also order any available type C standards or other European harmonized standards in full text.

### Information about copyright of full text standards

The Austrian Standards Institute prepares and certifies all provided original texts of the European standards as ÖNORMs. IBF hold all distribution rights worldwide for all available standards in all offered language versions. For detailed Terms of Service, please visit our website.



Safexpert quickly searches the full text of standards available in the database by any search term. As a result, Safexpert is the knowledge management tool with an edge: Safexpert can automatically analysis which projects and people are affected by standard changes in your company (see page 14) and inform them via e-mail!

Purchase information Safexpert Standard Plus	First license	Follow-up license
	Art.-No.	Art.-No.
Safexpert Standard Plus	9940-NP-1214-E (ohne Safexpert Professional)	free * only available in combination with Safexpert net-license „Standard Plus“ (Art.3400)
Service contract per year		
Safexpert Standard Plus: Free updates on standards which are included in this package in full text	9940-WV-ELEN (only available in combination with Art.-No. 4003 WV-ELE)	free * only available in combination with Safexpert net-license „Standard Plus“ (Art. 3400)
Net-license „Standard Plus“		
Multi-user-access to the standards package „Standard Plus“ for up to 5 users at the same time	3400-005-EN	Multi-user access for 10 or more users on request.
Further standards as full text in PDF format		
Special C standards for certain types of machines such as presses, cranes, robots, industrial thermal processing plants: on request		

\* In the standard package Safexpert Standard Plus you receive in combination with the acquisition of the module Safexpert Professional a special discount of 70 %! Price may vary due to changes in the current standard content.

# Add-in module 2: Operating Instructions Assistant

„All machinery must be accompanied by instructions in the official Community language or language of the Member State in which it is placed on the market and/or put into service. “

Machinery Directive 2006/42/EC, Annex I, 1.7.4

## From risk assessment to operating instructions

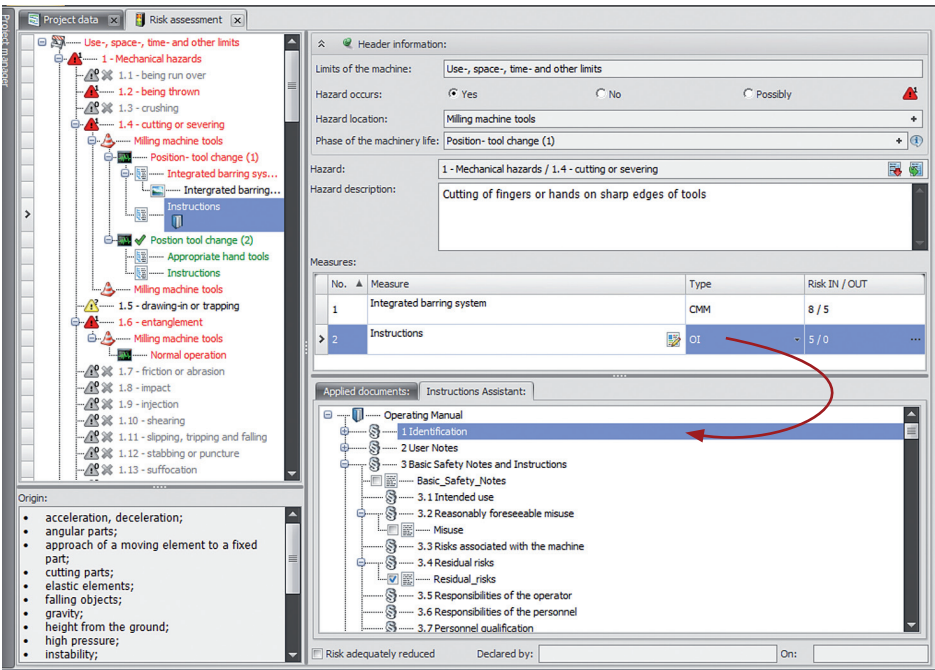
This module is an optional addition to the modules Safexpert Basic, Professional or Compact. It supports you to transfer information about residual risk directly from the risk assessment in an operating instructions template in Word format (RTF) automatically.

### Notification of residual risks

Technical editors often complain that they receive no indications of residual risks from the engineer department. This complicates and delays the production of the operating instructions sometimes substantially, since the technical editors almost have to search for the residual risks on their own. If they are not found (anymore), product liability risk will be increased.

### Export or print of indications of residual risks

Of course Safexpert also offers the opportunity to print all the indications of residual risks or export them into the formats Word, Excel or PDF.



Already during the risk assessment you can determine at what point in the operating instruction an indication of residual risk should be made. Safexpert adds them automatically to your document.

### Safexpert Solution Store

Are you looking to draw on existing industry specific risk assessment for a particular machine type that you could use as a template for your project? We are happy to assist you if you do not find anything specific at the Safexpert Solution Store.

[www.ibf.at/en/solutionstore](http://www.ibf.at/en/solutionstore)

### Standards Experts Community

Are you an expert in a particular industry and would like to offer specific templates for operation manuals to other Safexpert users? Then join our Standards Expert Community!

[www.ibf.at/en/secom](http://www.ibf.at/en/secom)

Purchase information Operating Instructions Assistant	First license	Follow-up license
	Art.-Nr.	Art.-Nr.
Operating Instructions Assistant	4007-SE-ELEN	4007-SE-FLEN
Operating instructions template according to EN 62079	4006-SE-ELEN	4006-SE-FLEN
Service contract per year		
Operating Instructions Assistant	Included in the service contract of Safexpert Compact and Professional.	
Operating instructions template	Since this change infrequently, a maintenance fee is not feasible.	

Add-in module 3:  
Check- and  
Acceptance  
Assistant

„The manufacturer must carry out necessary re-  
search and test on components, fitting or the com-  
pleted machinery to determine whether by its design  
or construction it is capable of being assembled and  
put into service safely.“

Machinery Directive 2006/42/EC, Annex VII, A.1

Check- and Acceptance  
Assistant

This module supports the check or ac-  
ceptance of machinery or partly completed  
machinery uniformly.

Created on the principles of centrally stored  
checklists, final inspections are readily  
available upon request by manufactures,  
buyers, as well as audits by regulatory  
authorities.

Select level depth for checks

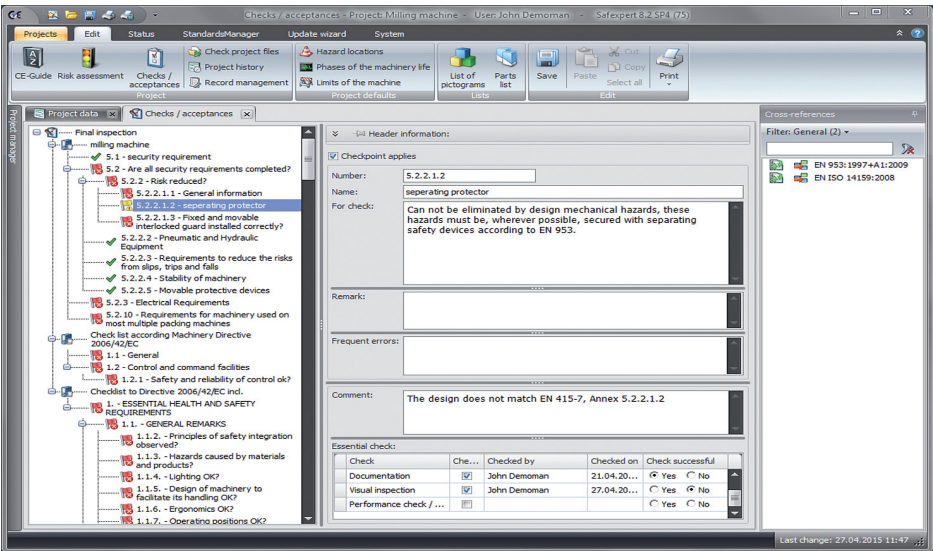
Not always is it worth to check every little de-  
tail. Therefore, when you create a checklist in  
Safexpert, it is already defined which check  
point has to be checked with which check  
version. The auditor can choose between  
broad, medium or detailed checks.

Maximal Overview

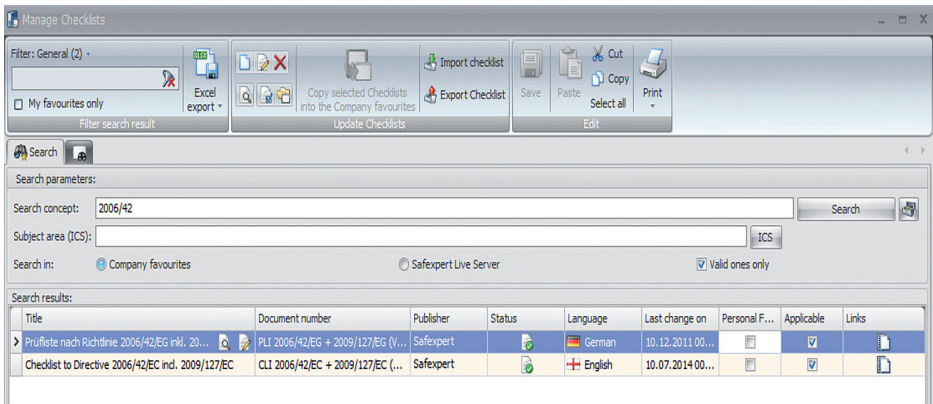
Comfortable filter conditions inform you per  
mouse click about any items that are not  
audited yet or are audited negatively.

Updates on a central location

Standardized checklists can be found either  
in the Safexpert Solution Store or in your  
internal company's favorites. Please contact  
us if you are not able to find anything there  
or even would like to offer specific check-  
lists!



Points by point are systematically and uniformly tested and the results are documented. The review process is supported by cross-references to relevant standards organizations



The administration and search for checklists is done exactly the same way like the standards search.

Customer opinion

The use of Safexpert has increased in our company and people are getting more and more positive about the good effect that it brings.

Andri Sveinsson  
MAREL Iceland

Purchase information Check and Acceptance Assistant	First license	Follow-up license
	Art.-No.	Art.-No.
Check and Acceptance Assistant including check list according annex I of the machinery directive 2006/42/EG	4010-SE-ELEN	4010-SE-FLEN
Check list according to EN ISO 12100	PLI_EN-ISO 12100_2010-ELEN	PLI_EN-ISO 12100_2010-FLEN
2-hours WEB-training: W5: Standardized checks and acceptances with Safexpert	2433	2434
Service contract per year		
Check and Acceptance Assistant including check list according annex I of the machinery directive 2006/42/EG	4010-WV-ELEN	4010-WV-FLEN

Dates WEB training: [www.ibf.at/en/seminars](http://www.ibf.at/en/seminars)



# Add-in module 4: NormAnalyzer

„A machine design which is acceptable at a particular time could be no longer justifiable when technological development allows the design of an equivalent machine with lower risk.“

EN ISO 12100:2010, Part 4, Note 2

## Analyze Word-, Power- Point- and Excel-Data

Are you using Word, PowerPoint or Excel for creating technical documents such as?

- Risk assessment
- Requirement specification
- Specification requirements
- Check- and acceptance list
- Product presentation
- Contract instruction
- Work instruction

Use NormAnalyzer to keep your MS Office documents current!

### Changing standards under control

This powerful software tool checks any office files for references to harmonized European standards, and verifies that the current version is referenced.

You can add, with the respective Add-in for Word, PowerPoint or Excel in connection with Safexpert StandardsManager, easily sources to your documents.

Safexpert NormAnalyzer checks per mouse click if any data, containing in an open file or the whole hard disc, is relevant to changed standards. As reference the Safexpert NormAnalyzer uses standards data that is continually updated from the Safexpert Live Server.

### Copy data

Safexpert NormAnalyzer will support you by the acquisition of archived solutions from Office files and improves your quality management significantly!

With Safexpert NormAnalyzer you are able to check risk assessments in Word or Excel if their standards are current. Risk assessment from previous projects can easily migrate.

### You can include your own standards into the update check

When you make changes in a document, you probably need to update many different documents as well. For example, some checklists can no longer be used when requirements from quality management change. With Safexpert NormAnalyzer you can manage your own documents. For this case Safexpert NormAnalyzer uses your company internal basic data for the update checks.

Purchase information StandardAnalyzer	First license	Follow-up license
	Art.-No.	Art.-No.
Safexpert StandardAnalyzer, Add-Ins for Microsoft Word, PowerPoint and Excel	4008-MLEN	-
For sources in Word, PowerPoint and Excel documents		
Safexpert Standardsmanager	4004-SE-ELEN	4004-SEFLEN
Service contact per year		
Safexpert Standardsmanager	4004-WV-ELEN	4004-WV-FLEN
Data package MRLEU : updates according to the Official Journal of the European Union in terms of the Machinery Directive	4020-WV-ELEN	Yearly amount per server installation
Data package EU-Plus: updates according to the Official Journal of the European Union in terms of Low-voltage	4021-WV-ELEN	Yearly amount per server installation

# Safexpert Update Checks

„Modern computer systems provide in a few seconds the performance, where individuals would take weeks or even months. This supports the quality management, increases productivity in the Engineering processes and reduces the risk of product liability.“

*Ing. Helmut Frick, General Manager  
IBF – Automatisierungs- und Sicherheitstechnik GmbH*

## Automation reduces risk of missing an update

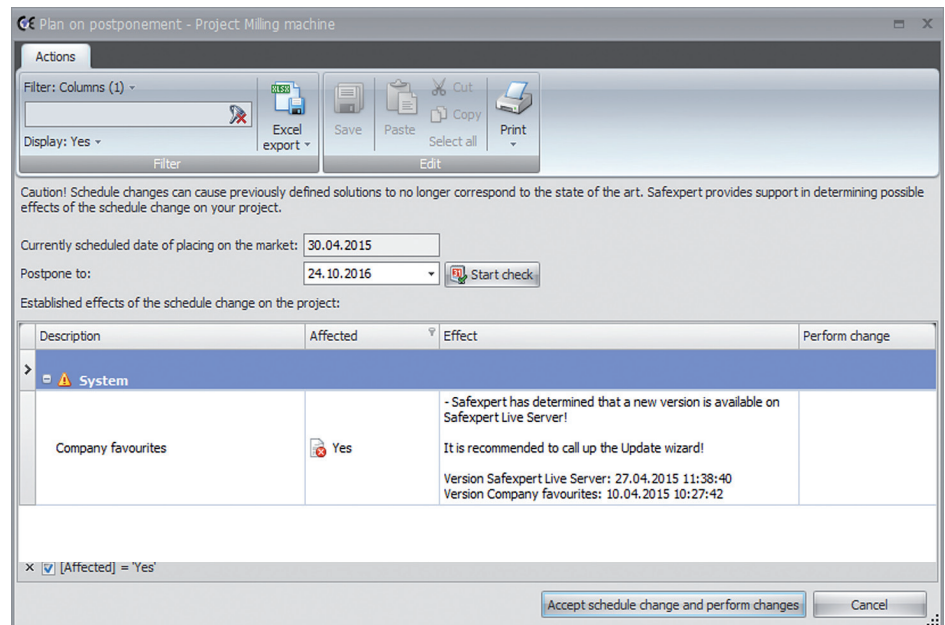
Storage of text, images and other external data alongside your projects in a database, either for easy retrieval in a future project are basic functions of CE software. However, modern IT systems are capable of much more. Safexpert uses automations to the fullest extent to reduce error-prone, time-consuming and repetitive task or even eliminate them completely. This is achieved through an intelligent combination of internal project data with external knowledge on Safexpert Live Serve.

### Three examples of better quality, efficiency and security

- On every startup, Safexpert automatically checks if the software itself, the standards, hazards lists, checklists, cross-reference lists and libraries are still up to date.
- The deciding factor for currency of solutions is not the time of construction, but the release of a machine to the market. Therefore Safexpert determines if the scheduled delivery date may be affected by upcoming changes to standards. This helps protect you from unpleasant surprises before signing the Declaration of Conformance.
- Safexpert leverages this degree of automation to examine the effects that a deadline shift in a project could have. Also it checks which of the individual requirements could be affected by standard changes.

### Self monitoring of your customized solutions

Safexpert checks if in-house developed templates are up to date. If Safexpert cannot find any reference data, it will inform you that the update check cannot be performed.



In case of a deadline shift, Safexpert will check automatically what impacts this could have on the safety documentation solutions.

## Customer opinion

We introduced Safexpert in 2001 on a trial basis. After carrying out extensive tests, we took the decision to implement Safexpert (Europe-wide) as the standard software for the CE marking of our conveyors and conveying systems.

*Dirk Schlitt  
Siemens Dematic Material Handling Automation Europe*

We often have to dismantle and rebuild our complex machinery. We therefore require from our suppliers that they provide us with the hazard analysis preferably in Safexpert-format. This enables us to administrate our safety engineering documentation in a standardized way and speeds up our evaluation process.

*Franz Holler  
MAGNA STEYR Powertrain AG & Co KG,*

### Migration of solutions from existing projects

If you copy entire hazard areas including the complete risk assessment into another project, Safexpert checks, among other things, if all relevant standards are up to date.

### System crosschecks

Even if you exchange projects with suppliers, customers, or partners, Safexpert can perform update checks on the basis of the „Global Safexpert Identifier“ on the Safexpert Live Server.

# Seminars Trainings Coaching

# Maximum Information Minimum Time Highest Efficiency

## Safexpert as an alternative to Word or Excel

With the use of this system often arise problems such as:

- The person who established and maintained the system is no longer available.
- With standard or policy changes there is no time to adjust the templates. Because of that, many work with outdated documents. This increases the risk of product liability.
- It is often not clear where the latest valid version of the risk assessment is stored on the network or on your own PC. Through the use of outdated versions conflicts arise with costly duplication.
- The internal costs for continuous updates are much higher than original assumed.
- Without the approval of the IT department files are exchanged with external companies - some even with macros. This increases the risk of viruses for your computer system.
- Templates or risk assessments of previous projects are simply copied 1: 1. The tests if previous solutions have current standards are very time consuming. It is common to simply refrain from doing the test.

### Support installation and set up of Safexpert

In addition to our technical hotline, we offer individual remote assistance for installation and maintenance via TeamViewer.

## Certified Safexpert Professional

Third-parties often provide training or other services for the application or administration of Safexpert. As a producer, it is important to us that you can rely on adequate quality and currency of this service. As a proof of quality we offer certifications for individuals:

- Safexpert Trainer (Level A or B)
- Safexpert User
- Safexpert Administrator

Further information: [www.ibf.at/en/csp](http://www.ibf.at/en/csp)

### Useful information for your IT-experts

Safexpert runs on current Windows versions and supports VistaDB, MS-SQL Server and optionally Oracle database.

Five different deployment possibilities are available in order to distribute Safexpert in the company network quickly and cost-efficient:

- Classic installation
- Silent Installation
- Automatic installation via server (Internet update)
- Installation on terminal server
- MSI-package

## Safexpert training course



### Web Safexpert trainings

You can customize your individual training program with these modules:

- W1: Risk Assessment compact with Safexpert
- W2: Conformity Assessment with Safexpert
- W3: Safety related project management with Safexpert
- W4: Branch-specific customization of Safexpert
- W5: Standardized checks and acceptances with Safexpert

We gladly take into account your own requests for customized training and seminars.

### Practical seminar for CE marking

Need a systematic and concise introduction to the topic CE marking according Machinery Directive? This seminar is for you!

- Efficient CE marking of machinery and plants

[www.ibf.at/en/seminars](http://www.ibf.at/en/seminars)