

# Public consultation for the evaluation of Directive 2006/42/EC

Fields marked with \* are mandatory.

## Introduction

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This open consultation concerns the **evaluation of the [Machinery Directive 2006/42/EC](#)**.

The Machinery Directive aims to facilitate the functioning of the internal market for machinery while ensuring a high level of health and safety protection for machinery users (workers, consumers and other exposed persons) as well as environment protection for machinery used in pesticide applications. It defines mandatory essential health and safety requirements for machinery placed on the market or put into service within the EU (expressed by means of CE marking), and sets out requirements for associated conformity assessment, monitoring and enforcement procedures.

Examples of products covered by the Machinery Directive include small hand held power tools, gardening machinery, construction machinery, industrial robots, etc.

The provisions of this Directive have been incorporated into national laws. This consultation asks for your experience of the Directive as applied directly, and also as implemented through national laws. For simplicity however, we will refer to both as Machinery Directive in the questionnaire.

The information you provide will be used strictly in accordance with the provisions of [Regulation \(EC\) No 45/2001](#) on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. The content of your contribution and identity will be published on the Internet, unless you ask to remain anonymous.

For further information, please contact the Machinery functional e-mail box: [GROW-MACHINERY@ec.europa.eu](mailto:GROW-MACHINERY@ec.europa.eu).

## Identification of respondent

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**\*1. You reply to this consultation as?**

- Business
- User (worker/consumer)
- Public Authority
- A notified body
- A standardisation body
- Other

**\* Which kind of business?**

- A business that manufactures machinery
- A business that purchases machinery
- An organisation representing businesses

**2. Please provide the following details about yourself/your organisation (where applicable)**

Your organisation's name (where relevant):

EUTurbines - European Association of Gas and Steam Turbine Manufacturers

**\*Are you a member of a group/controlled by another company?**

- Yes
- No

**\*Country of your establishment:**

Belgium

**\*Countries where you commercialise your products/services:**

The members of EUTurbines commercialise their products worldwide

**\*What type of machinery do you produce (where relevant)?**

The members of EUTurbines manufacture gas turbines, steam turbines and electric generators.  
EUTurbines members are Ansaldo Energia, Doosan Skoda Power, GE Power, MAN Diesel and Turbo, Siemens and Solar Turbines.

\*The number of people your organisation employs:

- 1 - 9
- 10 - 49
- 50 - 249
- 250 or more

\*The number of members your organisation represents: (where relevant)

6

\*Countries where your organisation is present: (where relevant)

EU

\* **3. Do you export your machinery?**

- Yes, mainly to other EU countries
- Yes, throughout the world
- No

\* Please indicate your main export markets:

The members of EUTurbines export worldwide

\* **4. Is your organisation registered in the Transparency Register of the European Commission and the European Parliament?**

- Yes
- No
- Not applicable

If you are not answering this questionnaire as an individual, please register in the [Transparency Register](#). If your organisation/institution responds without being registered, the Commission will consider its input as that of an individual and will publish it as such.

Transparency Register Number:

75093131694-63

**\* 5. Please indicate your preference for the publication of your response on the Commission's website:**

(Please note that regardless the option chosen, your contribution may be subject to a request for access to documents under [Regulation \(EC\) No 1049/2001](#) on public access to European Parliament, Council and Commission documents. In this case, the request will be assessed against the conditions set out in the Regulation and in accordance with applicable [data protection rules](#))

- Under the name given:* I consent to publication of all information in my contribution and I declare that none of it is subject to copyright restrictions that prevent publication.
- Anonymously:* I consent to publication of all information in my contribution and I declare that none of it is subject to copyright restrictions that prevent publication.
- Please keep my contribution confidential* (it will not be published, but will be used internally within the Commission).

## General questions

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**\* 6. Are you aware that some products are labelled with a "CE marking"?**

- Yes, and I understand its meaning
- Yes, but I do not understand its meaning
- No

**\* 7. Does the presence of CE marking affect your purchasing decision?**



- Yes, positively
- Yes, negatively
- Not at all
- No opinion

**8. How effective do you believe authorities are in relation to:**

	Not at all	To a limited extent	To a large extent	Entirely	Don't know
*Monitoring machinery manufacturers on their adherence to health and safety requirements for their products	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Identifying unsafe machinery and removing it from the market	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Assisting economic operators in manufacturing and selling machinery	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. Over the past 10 years, based on your experience what has happened to:

	Decreased significantly	Decreased slightly	No change	Increased slightly	Increased significantly	Don't know
*The cost of ensuring that machinery is safe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Usefulness of information provided with machinery when purchased	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The range and quality of machinery products available	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

<p><b>*</b></p> <p>The rate and extent of innovation in the machinery sector</p>						
<p><b>*Turnover and profitability of the European machinery sector /businesses</b></p>						
<p><b>*</b></p> <p>The international competitiveness of the European machinery sector /businesses</p>						
<p><b>*</b></p> <p>The volume /value of intra-EU trade in Machinery</p>						

<p>* Barriers to enter the EU internal market/free movement of machinery</p>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>* User confidence in machinery safety</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>* The number of machinery-related accidents and injuries</p>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>* The severity of machinery-related accidents and injuries</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>



<p><b>*</b></p> <p>The number of un-safe/non-compliant machinery on the market/in use</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<p><b>*</b></p> <p>The level of safety /protection for users of machinery (workers /consumers)</p>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

If you can, please provide explanations and examples:

The sales of turbines in Europe decreased strongly and as a consequence intra-European trade decreased.

**10. In your opinion, how important are the following objectives?**

	Not at all important	Slightly important	Moderately important	Very important	Don't know
*Ensuring the free movement of machinery within the European single market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
*Ensuring a high level of health and safety for users of machinery (workers /consumers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
*Protecting the environment in relation to machinery for pesticide/herbicide application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

**\*If you have a good level of awareness about the Machinery Directive, would you spend a few more minutes and answer to the following more detailed questions?**

Yes

No

## Specific questions

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**11. In your experience, does the Machinery Directive (i.e. its scope and provisions) contribute towards these objectives?**

	Not at all	To a small extent	To a moderate extent	To a large extent	Entirely	Don't know
*Ensuring the free movement of machinery within the European single market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Ensuring a high level of health safety for users of machinery (workers /consumers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
*Protecting the environment in relation to machinery for pesticide/herbicide application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

**12. To what extent, in your experience, the Directive:**

	Not at all	To a small extent	To a moderate extent	To a large extent	Entirely	Don't know
* takes account sufficiently of new innovations and new technologies (e.g. robotics, advanced manufacturing, etc.)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* sufficiently takes into account the recent changes in business environment?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* is likely to be able to deal with new innovations and technologies over the next 10 years (e.g. digitalisation of the single market: Internet of Things, Industry 4.0)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

The essential requirements of the Machinery Directive are about Health and Safety and do not prevent to apply protective measures using innovations and new technologies. However, in some cases, the use of more advanced manufacturing technologies and/or more innovative choices (less regulated and less consolidated) makes it more difficult to demonstrate compliance with the Machinery Directive (being not supported by specific public standards of reference).

**\*13. On the contrary, can you point to particular areas where the Machinery Directive creates obstacles to:**

- Innovations/new technologies
- Changes in the business environment
- Others

**\*Please specify:**

See explanation in question 12.  
 Additionally, awareness of the importance of the directive needs to be raised. This is particularly relevant in the case of refurbishment of existing equipment.

**14. To what extent is each of the following aspects of the Machinery Directive clear to you?**

	Not at all	To a small extent	To a moderate extent	To a large extent	Entirely	Don't know
* The scope of the Directive (in terms of the machinery products covered)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The essential health and safety requirements specified by the Directive in Annex I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The requirements /obligations on you /your organisation (where relevant)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

\*The scope of the Directive (in terms of the machinery products covered)

- Definitions of product categories
- Definition of partly completed machinery
- Obligations in case of modifications and refurbishment of machinery
- Others

\*Please specify:

Considering the field relevant for EUTurbines members, clarifications on the requirements and obligations in the case of 'interventions' (repairs or modifications) on Machinery / Partly- Completed Machinery are a very important aspect.

**15. Have you encountered problems with the following?**

	Yes	No	No opinion
* Implementation of the Directive in EU countries	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The conformity assessment procedures available to companies	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The appointment of notified bodies to carry out conformity assessment	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* The assessments undertaken by notified bodies	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* The suspension, withdrawal or placement of restrictions on certificates issued	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* The number of market surveillance activities	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The approach of national market surveillance authorities to determining compliance	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Inaction of national authorities to remove non complaint machinery from the market	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Fairness, proportionality and discouraging effect of penalties for infringements	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*Others	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>



\*Please explain:

Based on EUTurbines members' experience, there have been some problems related to market surveillance authorities, as there is not always a common interpretation of the Machinery Directive in the various Member States (the same problem also applies to Local Authorities in the same Member State). Such differences can have consequences in terms of costs and administrative burden.

Main problematic areas: repairs and aftermarket replacements, substantial modifications, partly-completed machinery, safety components, assembly of machinery, some types of 'lifting' accessories.

\*In which EU country?

Examples of cases mentioned above have been experienced in Italy, France and Germany

\*Please describe the problem:

Differences in views about the mandatory application of the Machinery Directive and / or National Legislation, depending on the type of intervention (modification or repair).

\*16. How would you rate the Guide to Application of the Machinery Directive?

- Very poor
- Poor
- Good
- Very good
- I am not aware of such guidance

**The Machinery Directive offers the choice of up to three different conformity assessment procedures, depending on the machinery in question and on the use of European harmonised standards.**

\*17. Do you have experience with conformity assessment procedures?

- Yes
- No
- Don't know

**\*18. If you are aware of these conformity assessment options:**

- Assessment of conformity with internal checks for products not covered by Annex IV
- Assessment of conformity with internal checks for products covered by Annex IV, where a European Harmonised Standard is applied that covers all applicable essential health and safety requirements
- EC-type examination for Annex IV products
- Approval by a notified body of a full quality assurance system for Annex IV products, which was introduced by the latest version of the Directive

Please answer, how is the assessment of conformity with internal checks for products not covered by Annex IV...

	Very helpful	Moderately helpful	Rather not helpful	Not helpful at all	No opinion
*...facilitating the internal market for machinery (your ability to export to other countries)?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*...protecting the health and safety of machinery users?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*...protecting the environment in pesticide applications?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please answer, how is the assessment of conformity with internal checks for products covered by Annex IV, where a European Harmonised Standard is applied that covers all applicable essential health and safety requirements...

	Very helpful	Moderately helpful	Rather not helpful	Not helpful at all	No opinion
*...facilitating the internal market for machinery (your ability to export to other countries)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*...protecting the health and safety of machinery users?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*...protecting the environment in pesticide applications?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please answer, how is the EC-type examination for Annex IV products...

	Very helpful	Moderately helpful	Rather not helpful	Not helpful at all	No opinion
*...facilitating the internal market for machinery (your ability to export to other countries)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*...protecting the health and safety of machinery users?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*...protecting the environment in pesticide applications?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Please answer, how is the approval by a notified body of a full quality assurance system for Annex IV products...

	Very helpful	Moderately helpful	Rather not helpful	Not helpful at all	No opinion
*...facilitating the internal market for machinery (your ability to export to other countries)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*...protecting the health and safety of machinery users?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*...protecting the environment in pesticide applications?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

**19. Have you encountered any problems with:**

	Yes	No	No opinion
* Assessment of conformity with internal checks for products <u>not covered</u> by Annex IV	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Assessment of conformity with internal checks for products <u>covered</u> by Annex IV, where a European harmonised standard is applied that covers all applicable requirements	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*EC-type examination for Annex IV products	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*Approval by a notified body of a full quality assurance system for Annex IV products which was introduced by the latest version of the Directive	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*Has it happened during the last 5 years that approval of your product in one EU country was not recognised in another?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

\*In which EU country?

Cases have been experienced at least in Germany, France and Austria.

\*Please describe the problem:

Generally, minor issues, regarding interpretative aspects of the Machinery Directive for Machinery and Partly-Completed Machinery and Safety Integrated Systems (see also answers to previous questions).  
In other cases, CE marked components have not been considered acceptable and specific country requirements are being asked for which a special local market marking may be requested.  
EUTurbines members have also experienced cases of different risk evaluations, causing product modifications.

**In order to prove conformity to the essential health and safety requirements of the Directive, manufacturers can make use of technical specifications (standards). Harmonised standards at European level support the application of the Directive by translating the essential health and safety requirements into detailed requirements for certain types of products.**

\* 20. Have you been using European harmonised standards?

- Yes, mainly European harmonised standards
- Yes, both harmonised and other standards
- No, only other standards
- No, I have not been using any standards

\* Please explain the reasons for your choice:

There is no harmonised standard specific for Turbines and Electric Generators for Power Plants. In this sense, a combination of both harmonised and other standards are used on the basis of contractual requirements and specific products Codes, supporting the conformity to EHSR of the Machinery Directive.

**21. How would you rate the following aspects relating to European harmonised standards supporting the Machinery Directive?**

	Very poor	Poor	Good	Very good	Don't know
*The length of the European harmonised standards development process	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The cost and availability of European harmonised standards	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The product coverage of European harmonised standards	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The frequency with which existing European harmonised standards are revised	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*How well European harmonised standards explain the rules or guidelines or definitions?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The frequency of usage of European harmonised standards vs. other technical specifications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
*The availability of European harmonised standards for new innovative products	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain your answers and if possible provide examples and quantifications:

The process of reviewing standards may be long and burdensome, while at the same time, the review frequency, very high in some cases, may also hamper providing a stable framework to industry. Once a new standard is released, inconsistencies (due to references to old versions) should be addressed. Safety standards should be free of charge so that everybody is encouraged to use them.

There is no harmonised standard specifically for Turbines and Electric Generators for Power Plants. In this sense, a combination of both harmonised and other standards are used on the basis of contractual requirements and specific products Codes, supporting the conformity to EHSR of the Machinery Directive. The peculiarity of certain products may lead to the use of international standards.

\* 22. Are there areas where European harmonised standards are missing/not sufficient?

- Yes
- No
- No opinion

\* Please explain:

There is no harmonised standard specifically for Turbines and Electric Generators for Power Plants yet, but work within CEN is addressing this matter.

A combination of both harmonised and other standards are used on the basis of contractual requirements and specific products Codes, supporting the conformity to EHSR of the Machinery Directive. The peculiarity of certain products may lead to the use of international standards.

**The Directive requires Member States to take all appropriate measures to ensure that machinery may be placed on the market/put into service only if it satisfies the relevant provisions of the Directive, and should establish an authority for monitoring conformity of machinery, as well as effective, proportionate and dissuasive penalties for infringements.**

**23. How effective do you believe national authorities are in relation to:**

	Not at all	To a limited extent	To a moderate extent	To a large extent	Entirely	Don't know
*Identifying non-compliant products	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Removing non-compliant products from the market	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**\* 24. From your experience, national authorities from which country or countries are especially effective/could serve as the best examples?**

Germany.

**\* Please explain why?**

Germany seems to be the country most thorough, where machinery is verified against most of the safety requirements.

It should be noted that this verification, is, however, linked to the requirements before approval for operation, not the placing on the market. Still, this verification has then an impact on the product, which may need to be modified. Another issue identified in Germany, as mentioned in question 19, related to specific local requirements.



**25. Can you point to any specific problems or barriers to:**

	Lack of cooperation between customs	Not enough staff	Wrong targeting of inspections /actions	Others
*The effective identification of non-compliant products:	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
*The removal of non-compliant products from the market:	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

\* Please specify:

The lack of specific product knowledge may be a barrier to identify and remove non-compliant products.

**\* 26. What is your view on the likelihood of an individual company being inspected?**

- Too low
- About right
- Too large
- Don't know

**27. During past 5 years, have you been subject of a machinery related inspection?**

- Yes
- No

\* What is the average number and frequency of inspections per product type you are subject to?

Difficult to assess.

\* Are there any countries where the number of inspections is especially high? Which are these and for which product category?

Germany.

\* Are there any countries where the number of inspections is especially low? Which are these and for which product category?

-

\* Has it ever happened that you have been subject to multiple inspections for the same product in different EU countries?

- Yes  
 No

\* Please explain:

-

\* **28. During the past 5 years have you introduced a new/modified machinery to the market?**

- Yes  
 No

\* What is a typical time from market entry to inspection?

Difficult to assess. In the case of Germany, based on EUTurbines members experience, inspections are conducted before operation, not market entry.

\* Are there any countries where this time is especially high? Which are these countries and for which product category?

-

\* Are there any countries where this time is especially low? Which are these countries and for which product category?

-

**\* 29. What percentage of your products types have never been inspected during the past 5 years?**

Due to the similarities of products in terms of risk and design for safety, once a product is inspected, one may consider that all other similar products are covered.

30. What has been the impact of the Machinery Directive on:

	Substantial increase	Some increase	No change	Some decrease	Substantial decrease	No opinion
*The costs and burdens on businesses	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The prices for users (workers /consumers)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The costs and burdens on authorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*The range and quality of machinery products available	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Quality of information and instructions relating to the safe operation of machinery	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
















<p>*The rate and extent of innovation in the sector</p>						
<p>*Turnover and profitability of the European machinery sector /businesses</p>						
<p>*The international competitiveness of the European machinery sector /businesses</p>						
<p>*Barriers to the internal market /free movement of machinery</p>						
<p>*The volume /value of intra-EU trade in Machinery</p>						

\* Please explain your answers and if possible provide examples and quantifications:

CE marked machinery is well accepted outside of Europe (except in North America). Some areas have even created rules similar to the directive (e.g. EAC).

31. What has been the impact of the Machinery Directive on health, safety and environment?

	Substantial increase	Some increase	No change	Some decrease	Substantial decrease	No opinion
*The level of user confidence in machinery safety	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*The number of machinery-related accidents and injuries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*The severity of machinery-related accidents and injuries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

<p>*The number of un-safe/non-compliant machines on the market/in use</p>						
<p>*The level of safety /protection for users of machinery (workers /consumers)</p>						
<p>*The level of environment protection in pesticide applications</p>						



\* Please explain your answers and if possible provide examples and quantifications:

-

**32. Could you give a specific example of where the Machinery Directive has had:**

\* a significant positive influence on innovation:

For the requirements of technical specificities, Manufacturers are free to use any means of innovation tools, provided they meet the Essential Safety Requirements of Annex I.

\* a significant negative influence on innovation:

In some cases, the use of more advanced manufacturing technologies and/or more innovative choices (less regulated and less consolidated) makes it more difficult to demonstrate compliance with the Machinery Directive.

**\*33. What benefits does the Machinery Directive bring to you, your organisation or the wider machinery industry/economy/society?**

- The CE marking is positively influencing sales outside EU
- One standardisation procedure instead of 28 national standards saves time and money
- The existence of European harmonised standards saves time in finding appropriate technical specifications
- Self-certification cuts certification costs significantly
- The Directive protects the internal market from hazardous products made abroad
- Others

**\*Please specify:**

EUTurbines considers the Machinery Directive as one of the best functioning directives as it uses the New Approach and is based on the principle of self-certification.

**\*Please explain and provide examples of your choice/s:**

Self-certification as used in Machinery Directive, clearly allows Manufacturers to be more competitive.  
By complying with the specific essential requirements, a high level of health and safety protection and the environment is guaranteed and documented.

**\*34. In your opinion, are there any negative impacts of the Directive?**

- Costs of certification is high
- Random ex-post checks are not eliminating all non-compliant products
- Divergent strictness of checks by national authorities creates a room for circumventing the rules
- European harmonised standards are not up-to-date with technological developments
- There are areas where European harmonised standards are non-existent or insufficient
- Process of European harmonised standards setting does not consider views of industry
- Self-certification procedure is too complex
- Risk assessment is too complex
- Others

**\*Please specify:**

-

**\*Please explain and provide examples of your choice/s:**

EUTurbines would like to point out that the Machinery Directive provides a well-functioning, stable legal framework for European Manufacturers that allows them to be present and remain competitive both in EU and global level. In some cases, different interpretations may lead to problems in application. This, however, does not mean that the directive has a negative impact, but rather that efforts to sort these issues out need to be made.

35. To what extent are the costs triggered by the Directive proportionate, given the benefits for:

	Benefits significantly outweigh costs	Benefits slightly outweigh costs	Benefits and costs are equal	Costs slightly outweigh benefits	Costs significantly outweigh benefits	Don't know
*You/your organisation specifically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*Businesses	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Member State authorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*Users (workers /consumers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
*Overall	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

**\*36. Are there particular aspects/areas that you would highlight where the costs are disproportionate?**

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**\*37. Are there areas of the Directive's application where burden could be reduced?**

- Assessment of conformity with internal checks for products not covered by Annex IV
- Assessment of conformity with internal checks for products covered by Annex IV, where a European harmonised standard is applied that covers all applicable requirements
- EC-type examination for Annex IV products
- Approval by a notified body of a full quality assurance system for Annex IV products
- Content of EC declaration of conformity
- Others

**\*Please specify:**

-

**\*Please explain and provide examples of your choice/s:**

No comment.

**\*38. To what extent does the Machinery Directive differentiate or fit with other EU legislation (e.g. Lifts Directive, Low Voltage Directive, Medical Devices Directive, Tractor Regulation, Directive on Use of Work Equipment at Work, Electromagnetic Compatibility Directive, Radio Equipment Directive, etc.)?**

- Not at all
- To a small extent
- To a moderate extent
- To a large extent
- Don't know

**\*39. What kind of overlaps or inconsistencies with other EU legislation exist?**

- Different definitions are used causing divergent interpretation
- Same product is regulated by two or more directives causing additional burden
- There is potential for regulatory arbitrage (choose less stringent rules)
- There is potential for multiple, repetitive inspection on same/similar issue
- Others

\*Please specify:

Different approaches and surveillance by Authorities in the Member States (possible checks for each directive by different services, causing overlapping). It would be appropriate to define a clear common approach, able to guarantee compliance with all the essential safety requirements, but without having to use different procedures for assessing conformity, thus avoiding increases in time, costs and administrative burdens.

\*Please explain stating which other piece(s) of EU legislation you refer to:

-

**\*40. What areas of implementation/application of the current Machinery Directive do you believe could or should be improved? How and why?**

There is not always a common interpretation of the Machinery Directive at Member State level. A challenging area is the partly-completed machinery. These challenges can be solved by means of guidelines/guidance of interpretation, outlining a common approach.

**\*41. What areas could or should a future revision of the Machinery Directive aim to address? Why?**

EUTurbines believes that the Machinery Directive is a well-functioning piece of legislation, which should not be revised at this stage. The areas that could be improved that are been pointed out with this questionnaire, refer to areas that should be addressed through guidelines (for interpretation questions) or harmonised standards.

## Final questions

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If you have any studies, analysis or reports concerning the functioning of the Machinery Directive that you can share with us, please upload them here or send them to our functional e-mail box [GROW-MACHINERY@ec.europa.eu](mailto:GROW-MACHINERY@ec.europa.eu) (these documents will not be published).

\*May we contact you to explore your answers in more detail?

- Yes  
 No