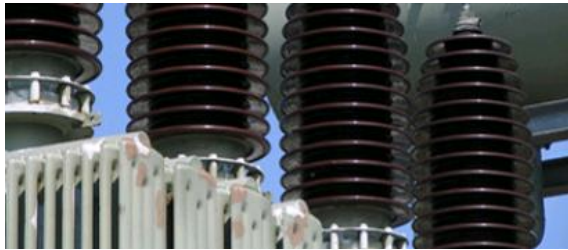




# INTAS project summary



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INTAS consortium  
11–2016  
EU

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# About INTAS

INTAS  
11-2016  
EU

- European project (Horizon 2020 - Energy Efficiency)
- Active from March 2016 to February 2019
- 16 partners
  - 11 national Market Surveillance Authorities (MSAs)
  - 5 cooperating organisations at European level
- Budget: ca. 1,9 million Euros (incl. product testing)

<http://www.intas-testing.eu/about-project/team-and-contacts>



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# INTAS key goals

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- Support European Member State **MSAs** deliver compliance for **large industrial products**:
  - Fans
  - Power transformers
- Support the **industry** to be sure of what their obligations are under the Ecodesign Directive and to deliver compliance
- Foster a **common European approach** to the delivery and verification of compliance for these products



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# Range of large products

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- Power transformers



- Electric fans



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# Target energy savings

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In 2020, correct implementation of the 2009 European directive on Ecodesign would yield an estimated **600 TWh** of electricity savings per year in total.

The INTAS project addresses about 7% of this total:

- ~ **14 TWh** annual savings from **power transformers**
- ~ **30 TWh** annual savings from **large fans**

~ **44 TWh** per year are equivalent to the electricity consumption of **7 million Europeans!**



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# Project partners

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**Europe:** WIP – Renewable Energies, European Environmental Citizens' Organisation for Standardisation, European Copper Institute, Engineering Consulting and Design, Waide Strategic Efficiency

**Austria:** Austrian Energy Agency

**Belgium:** Federal Public Service Health, Food Chain, Safety and Environment

**Czech Republic:** SEVEN Energy Efficiency Center

**Denmark:** Danish Technological Institute

**Finland:** Finnish Safety and Chemicals Agency

**Italy:** Italian National Agency for New Technologies, Energy and Sustainable Economic Development

**Poland:** The Polish Foundation for Energy

**Portugal:** Directorate General of Energy and Geology, Economic and Food Safety Authority

**Romania:** Romanian Regulatory Authority for Energy

**Spain:** Foundation for the Promotion of Industrial Innovation



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# Target stakeholders

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INTAS provides technical support and capacity building activities to:

## Market Surveillance Authorities

(MSAs) concerned with the enforcement of Ecodesign Directive requirements for very large products.

## Product manufacturers and

**distributors** to understand their legal obligations concerning the Ecodesign requirements for fans and transformers and to deliver compliance in a manner that will be broadly accepted by MSAs.

**End consumers** in professional sectors to understand the energy efficiency gains which they benefit from due to the minimum efficiency and performance requirements related to these product categories.



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# Advisory Board

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## Market Surveillance Authorities:

- BAM DE, MUKE BW DE, SEI CZ, DEA DK, SEA SE, NVE NO

## Industry Associations:

- T&D Europe, EVIA

## Policy Makers:

- DG Growth, DG Ener

## Standardisation experts:

- ISO TC117 Fans

<http://www.intas-testing.eu/best-practice/advisory-board>



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# Some challenges to be tackled:

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- Large power transformers and fans **cannot be removed** from service for the purpose of verification testing because of the high costs and impracticalities incurred
- Difficulties/costs/**impossibility to transport** large products for testing purposes to specific locations
- No common understanding of compliance and **testing procedures** with current technical and legislative prescriptions
- Lack of clearly identified **testing possibilities** for power transformers and large fans around Europe



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# Key activities 1/2

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## Landscape of testing avenues

INTAS monitors and analyses current testing practices in Europe and the rest of the world, and reviews test standards, facilities, procedures and methods already in place for large products with a specific focus on power transformers and fans.

## Defining an effective compliance framework for MSAs and manufacturers

INTAS is engaged in defining the process and methodology by which MSAs can identify, select, and evaluate large industrial power transformers and fans for the energy efficiency related requirements.



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# Key activities 2/2

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## Evaluation of compliance assessment methodology

INTAS analyses the results of the previously conducted assessments, processes and analysis, and ensures that the proposed methodology is valid and reliable by undertaking pilot testing schemes.

## MSA collaboration and strategic capacity building

Throughout the project, the INTAS partners will foster market surveillance collaboration between MSAs and raise awareness and information exchange of the product energy performance and market surveillance among key stakeholders, decision makers and end users.



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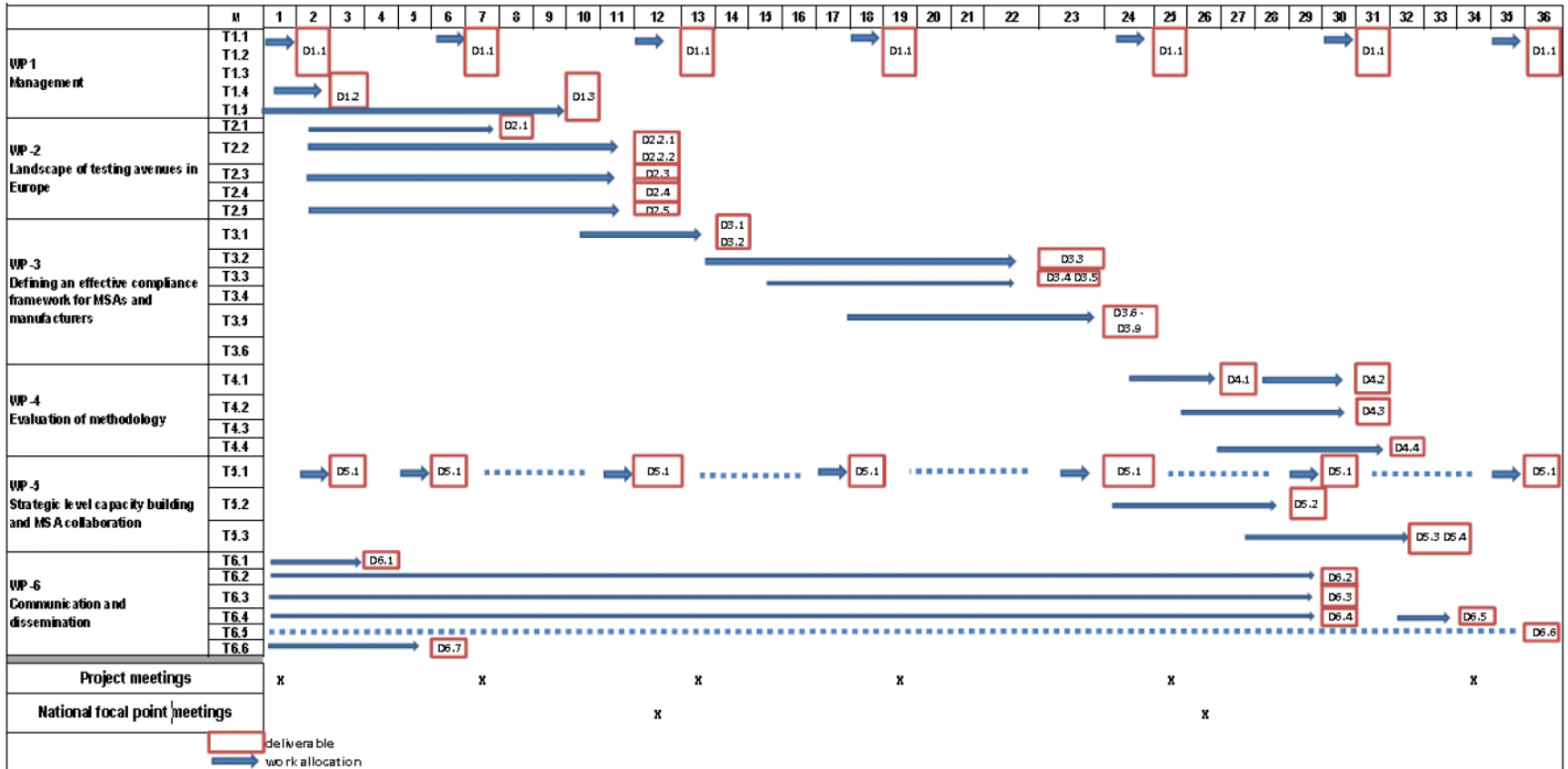


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# Project timing: 3/2016-2/2019

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# Published documents

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## Deliverable 2.1: Database and report on EN/IEC/ISO technical standards

Document published: 26.10.2016  
Lead author of this document: ECD  
Project coordinator: WIP






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Horizon 2020 programme  
Project acronym: INTAS  
Project full name:  
Industrial and tertiary product Testing and Application of Standard




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## Database and report on EN/IEC/ISO technical standards


### Annex A: Power transformers

Document published: 26.10.2016  
Lead author of this document: ECD  
Project coordinator: WIP





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## Database and report on EN/IEC/ISO technical standards

### Annex B: Large fans

Document published: 26.10.2016  
Lead author of this document: DTI  
Project coordinator: WIP





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All can be downloaded from <http://www.intas-testing.eu/project-documents>



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# How to get involved?

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- Sign-up on the INTAS website to receive **updates** on the project progress, including fully defined and validated testing methodologies, but also to **help shape these methodologies**.
- We **invite** all stakeholders to participate and **contribute** through the national and EU-level focal points.



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# More information

about the INTAS project  
and its results:

[www.INTAS-testing.eu](http://www.INTAS-testing.eu)

Contact the project coordinator:  
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