

Training presentation for each cross-sectoral technology

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IMPAWATT IMPlEmentAtion Work and Actions To change the energy cultUre

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1 Executive summary

Within IMPAWATT, for cross-sectoral technologies a training presentation of about 50 slides was developed.

These documents are intended for energy managers and technicians of companies from the industrial and service sector.

These documents should be used by the target group to train their co-workers or their team to raise awareness of energy efficiency possibilities in the different areas and give ideas for possible saving measures.

The material consists of 14 presentations on the following topics:

- Energy management
- Pumps
- Compressed Air
- Fans, HVAC
- Cooling systems
- Office
- Heating of buildings & envelop
- Lighting systems
- Industrial heating
- Steam
- Waste heat recovery, heat pumps
- Insulation of pipes, heat distribution
- Mobility
- Renewables

Each presentation has the following content.

- Objectives of the session
- Description of technology
- Description and potential of selected measures
- Best Practice examples
- Support tools
- Measurement and verification
- Sources

The presentations can be used for direct peer-to-peer learning or as webinar. Furthermore, on the IMPAWATT platform for each topic a quiz is available to check the knowledge of the trainee.

2 Documents library

All documents are translated in French, German and Italian. Only selected documents are translated in Finnish, since original English versions are suitable for the use with Finnish companies.

They are available on the national IMPAWATT platforms:

EU central platform: <https://eu.impawatt.com/>

Austria: <https://at.impawatt.com/>

Germany: <https://de.impawatt.com/>

Finland: <https://fi.impawatt.com/>

France: <https://fr.impawatt.com/>

Italy: <https://it.impawatt.com/>

Switzerland: <https://fr.impawatt.com/>

The following table give links to directly access to one specific document:

IMPAWATT

**Documents on national platforms
Translations and/or adaptation to national context**

Del no	Doc no	Document name	Document Type	File Type	EU (Basis) English	Finland Finnsh/English	France French	Switzerland French	Germany German	Austria German	Italy Italian
1	D2.4	1.1 Energy management	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/kAt-EzK1WE2V8H3oK1E5O-Tpw%3D%3D	https://fi.impawatt.com/searchMeasures/show/3QxHAvO054F6hLmF8zh418GbnP51ZrjxD09kgwATp8Cvc%3D	https://fr.impawatt.com/searchMeasures/show/88mkhz1P51ZrjxD09kgwATp8Cvc%3D		https://de.impawatt.com/searchMeasures/show/MRTuL4k4D3AqV8W5tsa0QDcUe%3D	https://at.impawatt.com/searchMeasures/show/10MxM081UPsDdOC-MJicrabs6yQ%3D	https://it.impawatt.com/searchMeasures/show/kOQgQ8AUHw9lUFC-fu_kuOQD9hw%3D
2	D2.4	2.1 Pumps	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/oycYfRINb5ITJHbtLexahZM0w%3D%3D	https://fi.impawatt.com/searchMeasures/show/OIY3nVYXKQzqrR51cTLA1VvU%3D	https://fr.impawatt.com/searchMeasures/show/81YUdO_Lhf009gOG4fYPW-ixoa%3D%3D	https://ch.impawatt.com/searchMeasures/show/xFDzU4k4D3AqV8W5tsa0QDcUe%3D	https://de.impawatt.com/searchMeasures/show/107k7T6EbFwoP5z-580Uc4Kk%3D	https://at.impawatt.com/searchMeasures/show/DYwWhQRVzWe4mXQAP7LCCfzW8%3D	https://it.impawatt.com/searchMeasures/show/HEQrAHfl2Dsa3tCV_oZF5w5oZvY%3D
3	D2.4	2.2 Compressed Air	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/Sjmmouf8nWVYKrnkbtHUbYh1nw%3D%3D	https://fi.impawatt.com/searchMeasures/show/rsuiebvhGbfStJH7XVswEHayE4%3D	https://fr.impawatt.com/searchMeasures/show/89RwR6G6TMI4cPXf2rg0qeBtA%3D	https://ch.impawatt.com/searchMeasures/show/10TtRG6TMI4cPXf2rg0qeBtA%3D	https://de.impawatt.com/searchMeasures/show/yXMG6pBhD6rHMpO7zPisMvDqgyuU%3D	https://at.impawatt.com/searchMeasures/show/L2twusIzG5CPWgUDTPHGW6m6Xc%3D	https://it.impawatt.com/searchMeasures/show/Ngl0qlCVSSVwplORW847XfoNk%3D
4	D2.4	2.3 Fans, HVAC	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/fW7gw0i0HjzUQD5SgyXGvg_IAQ%3D%3D	https://fi.impawatt.com/searchMeasures/show/EtXKTue9NN56X785efhQ1ObrlU%3D	https://fr.impawatt.com/searchMeasures/show/Y4TmPzIRqdVl0WDC-ERBtCpOg%3D%3D	https://ch.impawatt.com/searchMeasures/show/9D4C9cwoEhlmTnT5UJWuNFuN%3D	https://de.impawatt.com/searchMeasures/show/yYD51x85L5Vemo8KIJG_N4sK0oQ%3D	https://at.impawatt.com/searchMeasures/show/x-y7nWASegLba7ozQBn3Kc5g6Mc%3D	https://it.impawatt.com/searchMeasures/show/1aOQkFfIPwLxUYrKMbLYd-4MF3%3D
5	D2.4	2.4 Cooling Systems	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/AJ3pkmYwHghUnhvZORgN63T5Gxw%3D%3D	https://fi.impawatt.com/searchMeasures/show/VElcpBeDWxnnkN52veJnVBeFqE%3D	https://fr.impawatt.com/searchMeasures/show/4XAdEIfIzpe12WVR64v9rfuOz%3D	https://ch.impawatt.com/searchMeasures/show/2wvKZbEmr26boDz63epUJ5G8Qg%3D	https://de.impawatt.com/searchMeasures/show/6CYD07xVz-LcpRoegkGgp1v9%3D	https://at.impawatt.com/searchMeasures/show/qZQAcrM5QuiwkU5LjAlHbGR4as%3D	https://it.impawatt.com/searchMeasures/show/guGIN_7Gv7g8sgw_Ob5Nx6JURICQ%3D
6	D2.4	2.5 Energy saving in Offices	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/LPE8tt75FE5EnBcT7mdeDUCPx%3D%3D	https://fi.impawatt.com/searchMeasures/show/49A0eeE1_XkUQvGkrw12NcE1A%3D	https://fr.impawatt.com/searchMeasures/show/Y4lxAKyVl6iQvcgG9T6W-YwIA%3D%3D	https://ch.impawatt.com/searchMeasures/show/n4_xr4hXUm72dlkePsU8_FQ6yY%3D	https://de.impawatt.com/searchMeasures/show/bCbZr4hXUm72dlkePsU8_FQ6yY%3D	https://at.impawatt.com/searchMeasures/show/PaRGC-ppModrjBtpYwowuQ_n2nE%3D	https://it.impawatt.com/searchMeasures/show/Okrx-GTWeG1hNyqUqB6fPleXk%3D
7	D2.4	3.1 Heating of Buildings & Envelope	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/tmwT1RZF2V2aQ0iPmp5qnMOGA%3D%3D	https://fi.impawatt.com/searchMeasures/show/qR3cMn1Y05CfDNIcTVL4CjsqBo8%3D	https://fr.impawatt.com/searchMeasures/show/XqmgEuy4c0mDagdkQ8gedee2%3D	https://ch.impawatt.com/searchMeasures/show/gpWZylnTQg8BJTUVi6i0cst6e%3D	https://de.impawatt.com/searchMeasures/show/k7DuA_Ol_81186ShGmTbIhjm88%3D	https://at.impawatt.com/searchMeasures/show/252kdWQ0bClUv4VPV2K3K5jz%3D	https://it.impawatt.com/searchMeasures/show/VQy9zqO0i2jLlVx2D8z1fh8U%3D
8	D2.4	4.1 Lighting Systems	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/SY1zls55ntibVafZVZXdT-iz0g%3D%3D	https://fi.impawatt.com/searchMeasures/show/8072Cq5BpwcItpikxSej198MlI%3D	https://fr.impawatt.com/searchMeasures/show/JAG3aEzLQgOHdTpBLpEb_PPWwzU%3D	https://ch.impawatt.com/searchMeasures/show/l-5cwr835v6p7lpw4Q4LzqvzU%3D	https://de.impawatt.com/searchMeasures/show/1HXML5Wfm47y2uFpcRvcy2A8vaw%3D	https://at.impawatt.com/searchMeasures/show/KT7l0FRaTkbvj6f_glyzd5REY%3D	https://it.impawatt.com/searchMeasures/show/LrCf_l0BxUjYEXhd41N3mPz40%3D
9	D2.4	5.1 Industrial heating	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/au1QnIEt3zATgQs-irnm04A43Q%3D%3D	https://fi.impawatt.com/searchMeasures/show/fu2h8Op_NuTrau8raYpxqfOLmYA%3D	https://fr.impawatt.com/searchMeasures/show/Y9T5A01nydciBdSfYU1BJWH1g%3D	https://ch.impawatt.com/searchMeasures/show/3dCtC_DywOjUPLj4ts-uz2b41s%3D	https://de.impawatt.com/searchMeasures/show/LqrmDdohBa9tdZK5DOSfo4On1g%3D	https://at.impawatt.com/searchMeasures/show/YP82knUuPX2NrMqotEinOQRjwH%3D	https://it.impawatt.com/searchMeasures/show/z8Zl6iPbqPib7xmF72B5DyEjA3%3D
10	D2.4	5.2 Steam	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/Za-93O19ac2bveM4gldp7CAd1g%3D%3D	https://fi.impawatt.com/searchMeasures/show/5ilbtkDCKM1LXXEAO9jfeOMMba%3D%3D	https://fr.impawatt.com/searchMeasures/show/vO96Ww4ufUBI4UKHEcOzmdUp%3D	https://ch.impawatt.com/searchMeasures/show/LLwRgQtBG_a5lepOfwtuHKk8c%3D	https://de.impawatt.com/searchMeasures/show/kOPExbVbXU_5983ynnStz-Lk7%3D	https://at.impawatt.com/searchMeasures/show/bhQPbVmmwT0zQCmK-eMjWfery_M%3D	https://it.impawatt.com/searchMeasures/show/MotkNw51fN6a5GmVzEbvncqrkU%3D
11	D2.4	5.3 Waste Heat Recovery, Heat Pumps	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/BxYb0L0u4z2RxbXQT6g_chZVOA%3D%3D	https://fi.impawatt.com/searchMeasures/show/YuM2CLLeQubO_16zaZLcoW7nF6A%3D	https://fr.impawatt.com/searchMeasures/show/5-pDiBlrJlUbeB7AHaZDUJu1O%3D%3D	https://ch.impawatt.com/searchMeasures/show/5-GVD3gA9ubozCzo2vGiffAtM%3D	https://de.impawatt.com/searchMeasures/show/WeeU-45txusgHlMjTlb3o3PqQT%3D	https://at.impawatt.com/searchMeasures/show/YQdf84bimERhlqLP8_oPWw-gIX%3D	https://it.impawatt.com/searchMeasures/show/fISNK40NUl6w52L7czK0s8XlXQ%3D
12	D2.4	5.4 Insulation of Pipes, Heat Distribution	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/e_TMW79Tah0hVNFspPA3u982MEA%3D%3D	https://fi.impawatt.com/searchMeasures/show/8FngPZQoWzX9PvdsLT-1FEa_Y%3D	https://fr.impawatt.com/searchMeasures/show/J_Fzh9-nh_sdr4vWfYAQDQYA%3D	https://ch.impawatt.com/searchMeasures/show/LC7v5Dl6J7VAT5gg_9YvecV8UO%3D	https://de.impawatt.com/searchMeasures/show/blvbDiswcc7eU5zI9Z7HleeYn0%3D	https://at.impawatt.com/searchMeasures/show/f5EVHWUloIzhVl40DXDUAbn4%3D	https://it.impawatt.com/searchMeasures/show/dlCTCQW0bIARMP3ZU3a_ZiQ%3D
13	D2.4	6.1 Mobility	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/-FBCfG0mf8ZozuY194pZlQe%3D%3D	https://fi.impawatt.com/searchMeasures/show/RLVN-N-XI7Srg3EUa1aioWdexOe%3D	https://fr.impawatt.com/searchMeasures/show/K3AcmqWmrbv_59Q05V5-Q93xw%3D%3D	https://ch.impawatt.com/searchMeasures/show/60UYUB814w8zPMEUspz23yAN%3D	https://de.impawatt.com/searchMeasures/show/N2d5X8g-RkMl2Fj7qobNfJfHw%3D	https://at.impawatt.com/searchMeasures/show/KTlRm-PhAGY2i6uU%3D	https://it.impawatt.com/searchMeasures/show/Xui4aafIvp0gV-PfVAGY2i6uU%3D
14	D2.4	7.1 Renewables	Presentation	Ppt	https://eu.impawatt.com/searchMeasures/show/GOXN3eM4stPwhLenDIBGRpE%3D%3D	https://fi.impawatt.com/searchMeasures/show/oODMciOMexidNmjh7X3y9pZj%3D	https://fr.impawatt.com/searchMeasures/show/6c1YI54DSh_echPjA3Mgl%3D	https://ch.impawatt.com/searchMeasures/show/0HPBzS00eHt6M-avK-EBt0H42q0%3D		https://at.impawatt.com/searchMeasures/show/Bh1pQoAGi3xhZTaBiAvpe4Gdszo%3D	https://it.impawatt.com/searchMeasures/show/V-7a_bIGsviIRW0f0I-v625P4%3D