Low2HighDH

D6.3

6 Training webinars

Date 17.04.2026

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Nature of the deliverable		
R	Report	
DEC	Websites, patents, filing, etc.	x
DEM	Demonstrator	
O	Other	

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PU	Public	x
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More information on the project can be found at: https://www.low2highdh.eu/

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Executive Summary

This deliverable presents the development and structure of six webinars prepared to communicate key aspects of the Low2HighDH project and its support facility. The webinars play a crucial role in supporting the project's communication strategy by delivering concise, engaging, and accessible content that highlights the benefits of integrating low-grade and waste heat technologies into high-temperature district heating systems. The webinars will help promote awareness, drive stakeholder engagement, and encourage replication of best practices across the European district heating sector.

The webinars had been divided into two groups: national organised by (STUBA, KAPE, LEI) and international organised by STUBA with the lectures from UNIPARTHENOPE and GNE. Although KAPE and LEI were not directly involved in Task 6.3, their support at the national level was essential for ensuring effective local communication, coordination, and stakeholder engagement.

The first 3 national webinars (Slovakia, Poland, Lithuania) had similar topics, including an introduction to district heating systems decarbonisation and the Low2HighDH project, its support facility activities and resources, in general and for each target country (i.e., Slovakia, Poland, Lithuania). The 3 international webinars provided an overview of available technological solutions for integrating renewable energy sources into existing district heating systems, as well as the financing options for decarbonising district heating systems.

Webinars Overview

The six webinars were divided to 2 groups – national and international, with 3 sets of presentations about the clean energy transition of district heating systems and the Low2HighDH project and about the technical solutions and financial assessment.

The first group, represented by partners STUBA, KAPE and LEI, relates to the target countries, through PowerPoint presentations with relatable content in local languages that also address these countries' specificities. The corresponding webinars 1 to 3 are further detailed below.

The second one – an international group, was based on some of the main project outputs and support facility resources, such as the Technical and Financial portfolios for integrating low-grade and waste heat energy sources into district heating networks. These webinars, 4 to 6, are also detailed next.

Comentado [GI1]: This is a very long sentence, a bit difficult to follow. If possible, divide into 2 sentences, I had to read it twice :)

Webinar 1: Sizing of District Heating Systems Using the nPro Software and Application /Úvodný webinár projektu Low2High District Heating – dimenzovanie sústav CZT prostredníctvom softvéru nPro a aplikácie/ (Lead: STUBA-Local Partner)

Comentado [GI2]: is it possible to add links to all videos?

Comentado [LD3R2]: The idea was the Deliverable to be submitted before the videos were finalized, but since I am now uploading them, I will do so.

Date: 4th February 2026

Time: 9:30 to 11:00 CET

Format: Online (MS Teams)

Language: Slovak

Agenda highlights:

- Support provided by the Low2HighDH Project

- Introduction to nPro software for district heating system dimensioning and its practical application
- Open discussion

Number of participants: 98

The webinar introduced the Low2HighDH project, highlighting the key aims of the project focused on technical solution, marketing and financial assessment. Special part of webinar was the presentation of software nPRO oriented to the calculation of the district heating system starting with heat source and ending by end users in apartment buildings. The software was also used for technical-economical analysis of investments needed for applying of renewable energy sources.

Renewable energy technologies explored in the project, including solar thermal, geothermal, and heat pumps, with a particular focus on heat pumps as a leading solution for harnessing low-grade and waste heat. It also emphasises that the electricity used by heat pumps should come from renewable sources such as wind and photovoltaics.

Additionally, the ppt-presentation show the project's support mechanisms, including the calls for proposals to select district heating companies that will receive assistance. It also mentions the development and dissemination of technical and financial guidance materials, ensuring that both selected beneficiaries and other stakeholders in the sector can benefit from the project's insights and solutions.

Link to the webinar: https://youtu.be/OOfDw3ew8UM?si=lLR2_EJZ8Jn-EuZW

Webinar 2: Dimensioning of Modernized Heating Systems /Wymiarowanie modernizowanych systemów ciepłowniczych/ (Lead: KAPE-Local Partner)

Date: 18th February 2026

Time: 11:00 to 12:30 CET

Format: Online (MS Teams)

Language: Polish

Number of participants: 78

Agenda highlights:
- Support for the modernisation of heating systems within the Low2HighDH project,
- Introduction to nPro software for dimensioning heating systems and its practical application,
- Key conclusions from activities carried out so far in the Polish pilot projects.

The webinar introduces the Low2HighDH project and discusses the challenges and opportunities in Poland's centralised heating supply system, which, has a well-developed but energy-inefficient network due to its reliance on fossil fuel-based thermal power plants. It explains how improving energy efficiency through high-efficiency and renewable heat sources can contribute to decarbonisation and help meet the Energy Efficiency Directive requirements.

The webinar highlights low-potential renewable energy sources such as solar thermal, geothermal energy, and waste heat, describing them as underutilised but valuable resources. While the initial investment in renewable technologies may be high, the video emphasises their long-term savings and lower operating

costs, which can be further supported by government incentives. It also mentions that integration technologies are available to help incorporate renewables into existing district heating systems.

Link to the webinar: https://youtu.be/00lgL50Zj3M?si=XscAZeUqZpcVnehh

Webinar 3: District Heating Network Modelling Using the nPro Energy Software /„Low2HighDH" projekto seminaras – centralizuoto šilumos tinklo modeliavimas naudojant nPRO energy programinę įrangą / (Lead: LEI-Local Partner)

Date: 18th February 2026

Time: 13:00 to 14:30 CET

Format: Online (MS Teams)

Language: Lithuanian

Number of participants: 48

Agenda highlights:
• Support for the modernisation of heating systems within the Low2HighDH project,
• Introduction to nPro software for dimensioning heating systems and its practical application,
• Key conclusions from activities carried out so far in the Lithuanian pilot projects.

The webinar introduces the Low2HighDH project and discusses the current state and transformation of Lithuanians district heating sector. It explains how decarbonisation regulations and the push for energy efficiency are driving change, requiring district heating systems to transition to renewable and low-temperature energy sources.

The PowerPoint highlights the potential of biomass, solar energy, geothermal energy, and waste heat, describing them as abundant yet underutilised resources. In addition to reducing CO_2 emissions and other pollutants, these sources enhance energy efficiency by reducing heat losses and better matching the lower temperature needs of modern, well-insulated buildings.

Special part of webinar was the presentation of software nPro, oriented to the calculation of the district heating system starting with heat source and ending by end users in apartment buildings. The software was also used for technical-economic analysis of investments needed for applying of renewable energy sources. During the webinar, it was emphasized that technologies and strategies for integrating renewable energy sources into existing district heating networks already exist; however, they need to be adapted to specific local conditions.

Link to the webinar: https://youtu.be/ceTpVVb4tt4?si=hjRv5gyMaTidL3QY

Webinar 4: Integration of Low-Grade Energy RES in High Temperature DH (Lead: UNIPARTHENOPE-Innovation & Technical Partner)

Date: 4th March 2026

Time: 9:30 to 10:30 CET

Format: Online (MS Teams)

Language: English

Number of participants: 102

Agenda highlights:
This session focuses on practical and technical approaches to integrating low-grade renewable and waste heat sources into existing high-temperature district heating (DH) systems.

It includes an overview of low-grade RES technologies, such as heat pumps, solar thermal, and geothermal solutions, key challenges and benefits of using them, and the Low2HighDH Technical Solutions Portfolio as a practical guide.

Link to the webinar: https://youtu.be/r9G2He53ok4?si=bHwn496En9ly4Ml8

Webinar 5: Core Financial Concepts and Analytical approaches for District Heating Site Renovations (Lead: GNE-Finance - Financial Expert Partner)

Date: 18th March 2026

Time: 9:30 to 10:30 CET

Format: Online (MS Teams)

Language: English

Number of participants: 83

Agenda highlights:
- What bankability is and why it matters,
- Understanding CAPEX, OPEX, and revenue streams,
- Economic and financial analysis of district heating projects,
- Introduction to credit risk analysis.

Overview of core financial concepts to better enable the understanding of the Financial Solutions Portfolio and the project support regarding investment plans for the transition towards a sustainable district heating sector.

Link to the webinar: https://youtu.be/OA4phVbzXYE?si=md7wUuIo25S458cd

Webinar 6: How to structure and Finance a District Heating Site Renovation Project (Lead: GNE-Finance - Financial Expert Partner)

Date: 1st April 2026

Time: 9:30 to 10:30 CET

Format: Online (MS Teams)

Language: English

Number of participants: 49

Agenda highlights:
• Comprehensive mapping of public funding and private financing instruments,
• Innovative financing and operational mechanisms,
• Overview of technical assistance facilities and EU support platforms,
• Generic project financing structures for district heating renovations.

Overview of core financial concepts to better enable the understanding of the Financial Solutions Portfolio and the project support regarding investment plans for the transition towards a sustainable district heating sector.

Link to the webinar: https://youtu.be/TN5x3EESjas?si=H3PXvn2tO-q6_WKz

Production & Dissemination

- **Production:** All webinars were held online via the MS Teams platform. Each webinar was recorded with the participants' consent.
    - **Branding:** All presentations delivered during the webinars included the Low2HighDH logo and EU funding acknowledgement.
- **Dissemination Channels:** The videos are on the project website, YouTube, and social media, and shared with key stakeholders. We also advertised the webinars in the Newsletters published by the project.

These webinars represent a key component of the project's replication and dissemination strategy, ensuring that stakeholders are well-informed and engaged in the transition to clean and efficient district heating solutions. They also create opportunities for cooperation and sharing experience across Europe, and for presenting the specificities of the local cases.

Comentado [GI4]: maybe add that they also create opportunities for cooperation and sharing experience across Europe, presenting the specifics of local cases

Conclusion

The six capacity building webinars developed under Deliverable D6.3 play a great role in replicating key aspects of the Low2HighDH project. By providing clear, engaging, and accessible content, these webinars enhance stakeholder awareness, promote the adoption of low-grade and waste heat technologies, and support the overall transition towards sustainable district heating solutions. The replicant sites also attended the webinars, where they obtained the information needed to the decarbonisation of their district heating systems.

Through a collaborative approach, different project partners contributed their expertise to ensure the webinars effectively convey the project's objectives, support mechanisms, and pathways for engagement. With a structured recording and dissemination plan in place, these webinars serve as valuable resources for district heating site owners, policymakers, and other relevant stakeholders, reinforcing the project's impact beyond its immediate participants.

Comentado [GI5]: past tense

Appendix 1: References and Related Documents

The project's YouTube channel with all the webinars:
https://www.youtube.com/@Low2HighDHLIFEproject

The project's website subpage with the webinars:
https://low2highdh.eu/webinars/

	Reference or Related Document	Source or Link/Location
1	Low2HighDH project Grant Agreement No 101120865	
2	Low2HighDH project Consortium Agreement	

Comentado [GI6]: Maybe add once again the link to the videos