



## D6.2

### 5 Short introductory videos

Date 31.03.2025



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R	Report	
DEC	Websites, patents, filing, etc.	x
DEM	Demonstrator	
O	Other	

Dissemination level		
PU	Public	x
CO	Confidential, only for members of the consortium (including the Commission Services)	

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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 five short introductory videos designed to communicate key aspects of the Low2HighDH project and its support facility. The video series plays 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. Through targeted messaging, the videos will help promote awareness, drive stakeholder engagement, and encourage replication of best practices across the European district heating sector.

Each video covers a specific topic, 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., Lithuania, Poland and Slovakia), as well as an overview of available technologies and financing options for decarbonising district heating networks. The deliverable also outlines the production process, including scripting, recording guidelines, and dissemination strategies, ensuring a high-quality and impactful final product.

## Video Topics & Responsible Partners

The five short introductory videos are ideated as two sets of videos to raise awareness about the clean energy transition of district heating systems and the Low2HighDH project. The first group relates to the target countries, through videos with relatable content in local languages that also address these countries' specificities. The second one leverages 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. The focus and responsible partner of each of these videos are outlined below.

### I. TARGET COUNTRIES

#### VIDEO 1: DISTRICT HEATING DECARBONISATION AND LOW2HIGHDH IN LITHUANIA (LEAD: LEI-LOCAL PARTNER)

The video introduces the Low2HighDH project, an EU-funded initiative under the LIFE programme, which aims to support 30 high-temperature district heating sites in Lithuania, Poland, and Slovakia. It explains how the project helps these sites transition to low-grade and waste heat technologies, aligning with the Energy Efficiency Directive over a 10-year period.

The video highlights the key 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 video presents the project's support mechanisms, including at least two 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 video: <https://youtu.be/PBRumtjFfdE>

#### VIDEO 2: DISTRICT HEATING DECARBONISATION AND LOW2HIGHDH IN POLAND (LEAD: KAPE-LOCAL PARTNER)

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The video discusses the current state and transformation of Poland's district heating sector, which still heavily relies on fossil fuels, primarily coal and natural gas. 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 video highlights the potential of solar energy, geothermal energy, and waste heat, describing them as abundant yet underutilised resources. In addition to reducing CO2 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. While initial investment costs can be high, the video emphasises that government financial incentives are available to support the transition.

The video also mentions that technologies and strategies for integrating renewables into existing district heating networks already exist but must be tailored to each case. Finally, it introduces the Low2HighDH project, an EU-funded initiative, which will support several heating companies in Poland by conducting key technical and financial analyses at no cost to the companies. These studies will help initiate decarbonisation efforts, including identifying financing opportunities for modernising district heating systems.

Link to the video: [https://youtu.be/fW41cKcH\\_rk](https://youtu.be/fW41cKcH_rk)

#### VIDEO 3: DISTRICT HEATING DECARBONISATION AND LOW2HIGHDH IN SLOVAKIA (LEAD: STUBA-LOCAL PARTNER)

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The video discusses the challenges and opportunities in Slovakia's centralised heating supply system, which, like Ukraine's, 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 video 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.

Finally, the video introduces the Low2HighDH project, funded by the EU LIFE programme, which aims to support centralised heating systems in Slovakia, Lithuania, and Poland by developing technical and financial studies. These studies will guide heating system operators in planning their decarbonisation efforts and will be provided free of charge, with active participation from system operators and owners.

Link to the video: <https://youtu.be/j9Exp9-Bf2Y>

## II. KEY TECHNICAL & FINANCIAL ASPECTS OF THE PROJECT IN THE VIDEOS

#### VIDEO 4: TECHNICAL SOLUTIONS PORTFOLIO (LEAD: UNIPARTHENOPE-INNOVATION & TECHNICAL PARTNER)

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Overview of low-grade RES technologies, including 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 video: <https://youtu.be/gnq2lNQ1vAw>

#### VIDEO 5: FINANCIAL SOLUTIONS PORTFOLIO (LEAD: GNE-FINANCE - FINANCIAL EXPERT PARTNER)

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Overview of the Financial Solutions Portfolio and the project support regarding investment plans for the transition towards a sustainable district heating sector.

Link to the video: <https://youtu.be/rdFyY0k16lc>

### Video Recording Guidelines

The videos were produced following a cost-effective and collaborative approach. To ensure consistency and professionalism while implementing this strategy, partners followed these guidelines:

- **Script & Content:** Each video should adhere to a prepared transcript to ensure clarity and conciseness.
- **Duration:** Each video should be approximately 2 to 3 minutes long.
- **Visual Style:** A combination of real-life footage and animated infographics (see Editing below).
- **Recording Locations:** Videos should be recorded in well-lit environments with minimal background noise.
- **Audio:** Clear audio recording is essential.

### Production & Dissemination

- **Editing:** A professional video editor refined the content, ensuring a polished final product.
  - **Branding:** Each video includes the Low2HighDH logo and EU funding acknowledgement.
  - **Subtitles:** English subtitles were added to all videos in local languages to ensure international visibility.
- **Dissemination Channels:** The videos were on the project website, YouTube, and social media, and shared with key stakeholders.

These videos represent a key component of the project's communication 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 presenting the specificities of the local cases.



## CONCLUSION

The five introductory videos developed under Deliverable D6.2 play a great role in communicating the key aspects of the Low2HighDH project. By providing clear, engaging, and accessible content, these videos enhance stakeholder awareness, promote the adoption of low-grade and waste heat technologies, and support the overall transition towards sustainable district heating solutions.

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

## Appendix 1: References and Related Documents

The project's YouTube channel with all the project's videos -

[https://www.youtube.com/channel/UCdBeUrnKh\\_b2scMMeKYdppA](https://www.youtube.com/channel/UCdBeUrnKh_b2scMMeKYdppA)

	Reference or Related Document	Source or Link/Location
1	Low2HighDH project Grant Agreement No 101120865	Low2HighDH Project SharePoint, <a href="#">Reference Documents folder</a>
2	Low2HighDH project Consortium Agreement	Low2HighDH Project SharePoint, <a href="#">Reference Documents folder</a>