Standards in Action
HSbooster.eu Success Stories

Success Story #15

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#standardisation, #green, #hydrogen, #sustainability, #CEN, #ISO, #energytransition

H2Value – Shaping Standards for Green Hydrogen Implementation

The project standardisation needs

H2Value, a project committed to advancing green hydrogen technologies, sought expert guidance to navigate the complexities of standardisation and align its activities with relevant European and international frameworks. The project faced challenges such as the lack of comprehensive safety and security guidelines, administrative barriers in permitting processes, and technical uncertainties in integrating hydrogen into existing systems, including gas networks.

To address these issues, H2Value needed a clearer understanding of the current state of green hydrogen standards and policies, particularly at the EU level, and support in identifying opportunities to influence standardisation outcomes. Additionally, the project aimed to equip its stakeholders, including city officials and local partners in Estonia and Lithuania, with the knowledge and tools to engage effectively with standardisation bodies and integrate best practices across the hydrogen value chain.

PROJECT REPRESENTATIVE

Aivars Starikovs

Member Board of Directors at Hydrogen Europe

THE HSBOOSTER.EU EXPERT

Paola Amato

Architect and Standardisation Expert

"H2Value demonstrates how experimental applications of green hydrogen technologies across the value chain can contribute to identifying new standards while enhancing market prospects for advanced European solutions."

The HSbooster.eu Consultancy service

HSbooster.eu delivered a comprehensive consultancy service, beginning with an analysis of the green hydrogen standards landscape and highlighting key gaps and emerging priorities. This included insights into technical committees such as ISO/TC 197 on Hydrogen Technologies and CEN/CLC/JTC 6 on Hydrogen in Energy Systems, which were identified as relevant to the project's goals.

The consultancy also helped H2Value refine its internal processes by mapping where standardisation could enhance risk management and operational planning.

Tailored recommendations were provided to strengthen the project's ability to contribute to evolving standards, supported by targeted training opportunities through the HSbooster Academy. These training sessions focused on building capacity among city officials and stakeholders to navigate the complexities of hydrogen safety, permitting, and system integration.