

RHC IMZADI Delivers Landmark Energy Storage Study

Waste-to-Energy Storage process creates synergies between renewable energy and the circular economy.

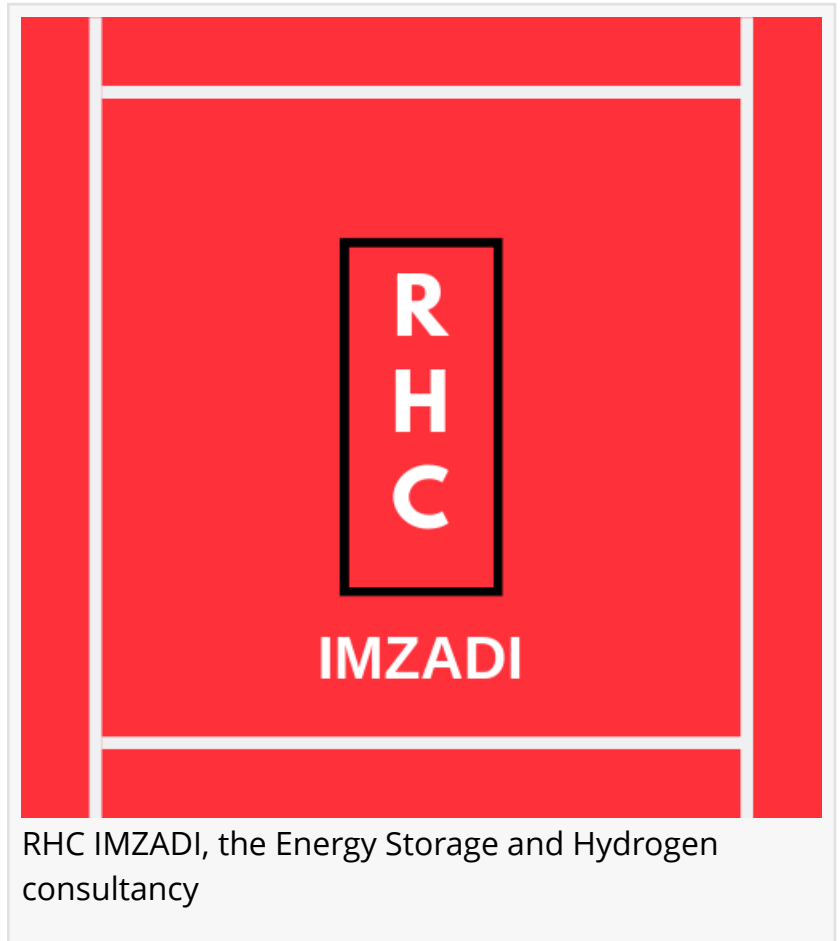
LONDON, UNITED KINGDOM, October 14, 2020 /EINPresswire.com/ -- [RHC IMZADI](#), the Energy Storage and Hydrogen consultancy, are pleased to announce the successful completion of a wide-ranging techno-economic study on the potential to convert and utilise industrial waste streams for large scale Energy Storage projects.

Annual deployment of stationary Energy Storage assets is expected to exceed 130 GWh and US\$50 billion annually by 2030. By 2040 over 2TWh of stationary Energy Storage infrastructure is anticipated to be required.

Over 75 percent of these assets will be tied to long duration activities such as grid stabilisation during times of excess renewable power generation and providing back-up supply when grid demand exceeds generation from green assets. In this manner, Energy Storage becomes the key enabler that allows significant reduction of back-up fossil-fuel-based generation capacity.

The Circular Economy redraws and redefines the long-standing industrial paradigm of an almost purely 'extractive' industrial model by decoupling economic growth from the consumption or destruction of irreplaceable resources, and designing a system where waste is all but eliminated.

RHC IMZADI's study, conducted for a FTSE100 client, shows that it is both technically achievable and commercially attractive to deploy the waste-to-Energy Storage process. Based on current calculations, the process has the potential to deliver multiple GWh of name-plate storage capacity per year.



RHC IMZADI, the Energy Storage and Hydrogen consultancy



RHC IMZADI are pleased that we were able to help our client develop their strategy and readiness to lead in the Energy Transition.”

Andrew Murphy

With an estimated 30-year lifespan and an expectation of almost full recyclability, the waste-to-Energy Storage proposition stands ready to create a significant impact in balancing critical grid infrastructure whilst ensuring healthy capture prices for renewable power generators.

[Andrew Murphy](#), CEO of RHC IMZADI said ‘It was an honour for RHC IMZADI to be selected for such an exciting and groundbreaking study. By leveraging our strong expertise in Energy Systems landscaping, Innovation and Economic

Analysis, RHC IMZADI are pleased that we were able to help our client develop their strategy and readiness to lead in the Energy Transition.

About RHC IMZADI

RHC IMZADI (<http://www.rhcimzadi.com>), is an independent specialist consultancy providing consultancy and board advisory services to organisations in the domains of Energy Storage, Hydrogen and Innovation.

With comprehensive experience across industries, technologies, and regions, RHC IMZADI brings a multidisciplinary and integrated approach to answer the issues associated with increased uncertainty and accelerated change.

Operating on the principal that our work should always be proactive and transformational, RHC IMZADI engages deeply to understand the deeper issues at the heart of each request, allowing clients to anticipate and manage complex challenges before the competition can take advantage.

Andrew Murphy

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