NEWS RELEASE

Advent Technologies Celebrates National Hydrogen and Fuel Cell Day

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BOSTON--(BUSINESS WIRE)-- Advent Technologies Holdings, Inc. (NASDAQ: ADN) ("Advent") today joins the U.S. in celebrating the 7th Annual National Hydrogen and Fuel Cell Day, which marks the growth of the industry by raising awareness of the benefits fuel cell technologies and hydrogen energy provide in reducing emissions while driving economic growth.

National Hydrogen and Fuel Cell Day is observed on October 8 in recognition of the atomic weight of hydrogen - 1.008. Hydrogen is already providing fuel, feedstock, and power to wide-ranging sectors of the U.S.

Dr. Vasilis Gregoriou, Chairman and CEO of Advent, commented on this celebration, "Advent Technologies is thrilled to celebrate the 7th Annual National Hydrogen and Fuel Cell Day. The continued push to increase awareness of the hydrogen and fuel cell economies is crucial to highlight the current success and future growth possibilities of the industry. At Advent, we produce fuel cells that convert hydrogen and other renewable fuels to electricity. These technologies will be essential for realizing the goal of 100 percent clean power. We look forward to an accelerated energy transition and we remain committed to actively playing our role in decarbonizing the world."

Hydrogen energy and fuel cell technologies offer a clear pathway toward low- and no-carbon emissions economic growth, while creating high-quality jobs and spurring advanced American manufacturing. As countries around the world increasingly look to hydrogen as a clean energy pathway, the U.S. is uniquely well-positioned to take a leadership role. By leveraging abundant resources and a robust industrial sector, the U.S. hydrogen industry can spur American energy innovation and promote economic competitiveness.

For more information on National Hydrogen and Fuel Cell Day, please visit **www.hydrogenandfuelcellday.org**.

About Advent Technologies Holdings, Inc.

Advent Technologies Holdings, Inc. is a U.S. corporation that develops, manufactures, and assembles complete fuel cell systems, and the critical components for fuel cells in the renewable energy sector. Advent is headquartered in Boston, Massachusetts, with offices in California, Greece, Denmark, Germany, and the Philippines. With more than 100 patents issued for its fuel cell technology, Advent holds the IP for next-generation HT-PEM that enable various fuels to function at high temperatures under extreme conditions – offering a flexible "Any Fuel. Anywhere." option for the automotive, aviation, defense, oil and gas, marine, and power generation sectors. For more information, visit **www.advent.energy**.

Cautionary Note Regarding Forward-Looking Statements

This press release includes forward-looking statements. These forward-looking statements generally can be identified by the use of words such as "anticipate," "expect," "plan," "could," "may," "will," "believe," "estimate," "forecast," "goal," "project," and other words of similar meaning. Each forward-looking statement contained in this press release is subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statement. Applicable risks and uncertainties include, among others, the Company's ability to maintain the listing of the Company's common stock on Nasdaq; future financial performance; public securities' potential liquidity and trading; impact from the outcome of any known and unknown litigation; ability to forecast and maintain an adequate rate of revenue growth and appropriately plan its expenses; expectations regarding future expenditures; future mix of revenue and effect on gross margins; attraction and retention of qualified directors, officers, employees and key personnel; ability to compete effectively in a competitive industry; ability to protect and enhance our corporate reputation and brand; expectations concerning our relationships and actions with our technology partners and other third parties; impact from future regulatory, judicial and legislative changes to the industry; ability to locate and acquire complementary technologies or services and integrate those into the Company's business; future arrangements with, or investments in, other entities or associations; and intense competition and competitive pressure from other companies worldwide in the industries in which the Company will operate; and the risks identified under the heading "Risk Factors" in our Annual Report on Form 10-K/A filed with the Securities and Exchange Commission on May 20, 2021, as well as the other information we file with the SEC. We caution investors not to place considerable reliance on the forward-looking statements contained in this press release. You are encouraged to read our filings with the SEC, available at **www.sec.gov**, for a discussion of these and other risks and uncertainties. The forward-looking statements in this press release speak only as of the date of this document, and we undertake no obligation to update or revise any of these statements. Our business is subject to substantial risks and uncertainties, including those referenced above. Investors, potential investors, and others should give careful consideration to these risks and uncertainties.

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