NAWA TECHNOLOGIES WINS TECHNOLOGY OF THE YEAR PRIZE AT THE 2020 AUTOMOBILE AWARDS

- Prestigious award honours the most outstanding manufacturers and technology suppliers
- NAWA Technologies recognized for its innovative Ultra-fast Carbon battery technology
- Massive potential to improve the performance of EV battery systems
- NAWA's technology represents a substantial leap towards a real energy transition in Electric Mobility, offering reduction in environmental impact at the same time
- Image and video: https://bit.ly/NAWA_AutomobileAwards
- For more information on NAWA Technologies visit: http://www.nawatechnologies.com

Pascal Boulanger, founder of NAWA receiving the Technology of the Year award from Jean Luc MOREAU, well-renowned French automotive journalist

Aix-en-Provence, 8th December 2020: NAWA Technologies, pioneer of next-generation energy storage systems, is delighted to have been selected as the winner of this year's **Automobile Awards Technology of the Year** prize at a ceremony held at the Four Seasons Hotel George V in Paris.

Recognizing outstanding automotive manufacturers and suppliers, the prestigious French **Automobile Awards** celebrate the very best the industry has to offer, shining a spotlight on both the stars of today and tomorrow. For the **Technology of the Year** award, the judges singled out NAWA Technologies' Ultra-Fast Carbon battery technology, which has huge potential not only in improving the performance of electric vehicle batteries – but also in playing a significant role in global e-mobility.

The fastest electrode ever?

The revolutionary Ultra Fast Carbon Electrode combines the highest ionic conductivity – thanks to a 3D fully accessible carbon nanostructure – with the highest electrical and thermal conductivity, provided by its arrangement of 100 billion functionalised nanotubes per sq cm, all vertically aligned.

This new 3D electrode geometry can solve the vast majority of performance constraints in the global battery industry, extending energy by a factor of three, boosting power by a factor of 10 (reducing charging time down to minutes instead of hours), increasing lifetime by up to a factor of three and drastically reducing safety issues and environmental impacts.

One technology, three usages, multiple chemistries

NAWA's Ultra-Fast Carbon electrode will be implemented by NAWA in three usages:

- NAWACap: the next generation of high-power high energy ultracapacitors to be combined with lithium batteries or hydrogen fuel cells to improve energy recovery and management. Volume production starting in 2021.
- A thin primer layer, replacing carbon coated copper substrates with a higher adhesion and electrical conductivity regardless of chemistry. Pilot production ready to be launched in 2021.
- A 3D electrode that represents the future of batteries: NAWA's 3D electrode, featuring billions of nanotubes, acts like a cage for advanced lithium batteries material like Sulfur, Silicon, Sodium and Solid-State batteries. This new generation of electrode will see light in 2023.

Huge benefits for electric vehicles

With the automotive industry now consuming 75 percent of lithium battery production and electric vehicles requiring ever-improved range, charging times and lifecycles, NAWA's technology has enormous potential to bring a quantum leap in performance. Firstly, its 'hybrid' battery concept – a world-first electric powertrain debuted by the NAWA Racer – combines NAWACap with lithium-ion cells to greatly improve energy efficiency, reduce charging times and extend entire system life. Entirely modular and scale-able, it is applicable to any electric vehicle, capable of reducing the size of the lithium-ion battery by up to half, or extending the range by up to double – or a combination in between depending on use. Using this technology, NAWA sees much potential for plug-in hybrid EVs to better meet forthcoming CO2 emissions reduction legislation.

Secondly, NAWA's Ultra Fast Carbon Electrode brings huge increases in performance – energy, charging time, life cycle - while using less raw materials. Applied to an electric vehicle, an advanced lithium-ion battery with this technology could mean EVs could go further, or faster, making 1,000 km ranges commonplace in a mass market zero emission car. Charging time could be reduced to as little as five minutes for an 80 per cent charge, while battery lifecycle could be improved by a factor of up to five with more safety and no more images of EV fires in garages.

Pascal Boulanger, Founder of NAWA Technologies, Chairman and CTO said: *"On behalf of all of us at NAWA Technologies, I would like to say how proud I am to receive this prize from the judges of the* ***Automobile Awards 2020****. To stand next to so many global OEMs and suppliers at this prestigious event and win the* ***Technology of the Year*** *award is a huge honor. It is fantastic to be recognized for our many innovations and humbling to see that the judges understand the potential they have in automotive – from increasing the performance of an EV battery to improving the efficiency of automotive manufacturing, reducing environmental impacts and really opening up new mobility possibilities."*

Assets:
Hi-res images: https://bit.ly/NAWA_Electrode
Video: http://bit.ly/Fastest_Electrode

Contact:
Sam Hardy
E: samh@influenceassociates.com
T: +44 7815 863 968

About NAWA Technologies
Located in Aix-en-Provence, France, NAWA Technologies is a world-leader in innovative energy storage and composites. Its range of game-changing products are all based on one patented technology: vertically aligned carbon nanotubes (VACNT).

NAWA has applied the unique properties of VACNT to create high power and high energy ultracapacitors, one of the fastest electrodes for lithium batteries – and also reinforced carbon fiber composites.

Its NAWACap range of ultracapactiors can offer up to five times more energy than existing ultracapacitors and ten times more power, depending on application. Setting new standards for charging speed, frequency and environmental friendliness, NAWA Technologies' Ultra-Fast Carbon Battery bridges the gap between existing ultracapacitors and more traditional lithium-ion batteries.

NAWA's technology is being applied in multiple ways, from 'hybrid' batteries – a modular, scale-able concept applicable to any EV that combines ultracapacitors with lithium-ion for huge performance increases – to its Ultra Fast Carbon Electrode, potentially the world's fastest electrode, a system which brings a quantum leap in performance for any chemistry but particularly lithium-ion.

Through its NAWA America, based in Dayton, Ohio, it is bringing multifunctional ultra-strong composites to market; game-changing materials using VACNT and based on unique, proprietary technology, aimed at sectors including automotive, aerospace, sporting equipment and consumer & luxury goods.

NAWA Technologies now enters its next exciting phase – mass manufacturing on both sides of the Atlantic – but with environmental benefits always at its core. NAWA's goal is to be a carbon neutral company. Already, its NAWACap batteries have been awarded 1000 efficient solution for the planet by Solar Impulse foundation.