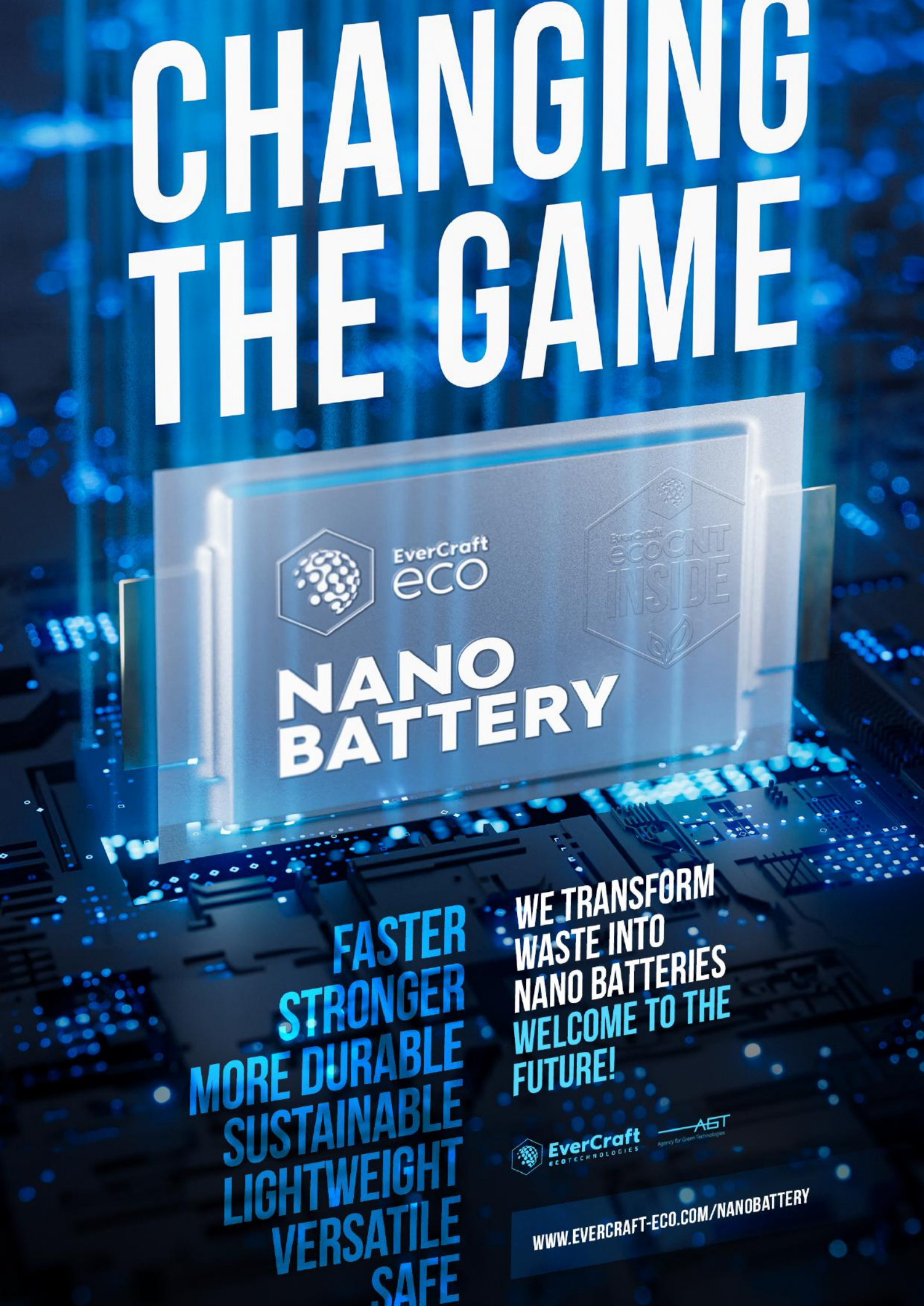
CHANGING THE GAME



FASTER
STRONGER
MORE DURABLE
SUSTAINABLE
LIGHTWEIGHT
VERSATILE
SAFE

WE TRANSFORM
WASTE INTO
NANO BATTERIES
WELCOME TO THE
FUTURE!

EverCraft
ECOTECHNOLOGIES

AGT
Agency for Green Technologies

WWW.EVERCRAFT-ECO.COM/NANOBATTERY

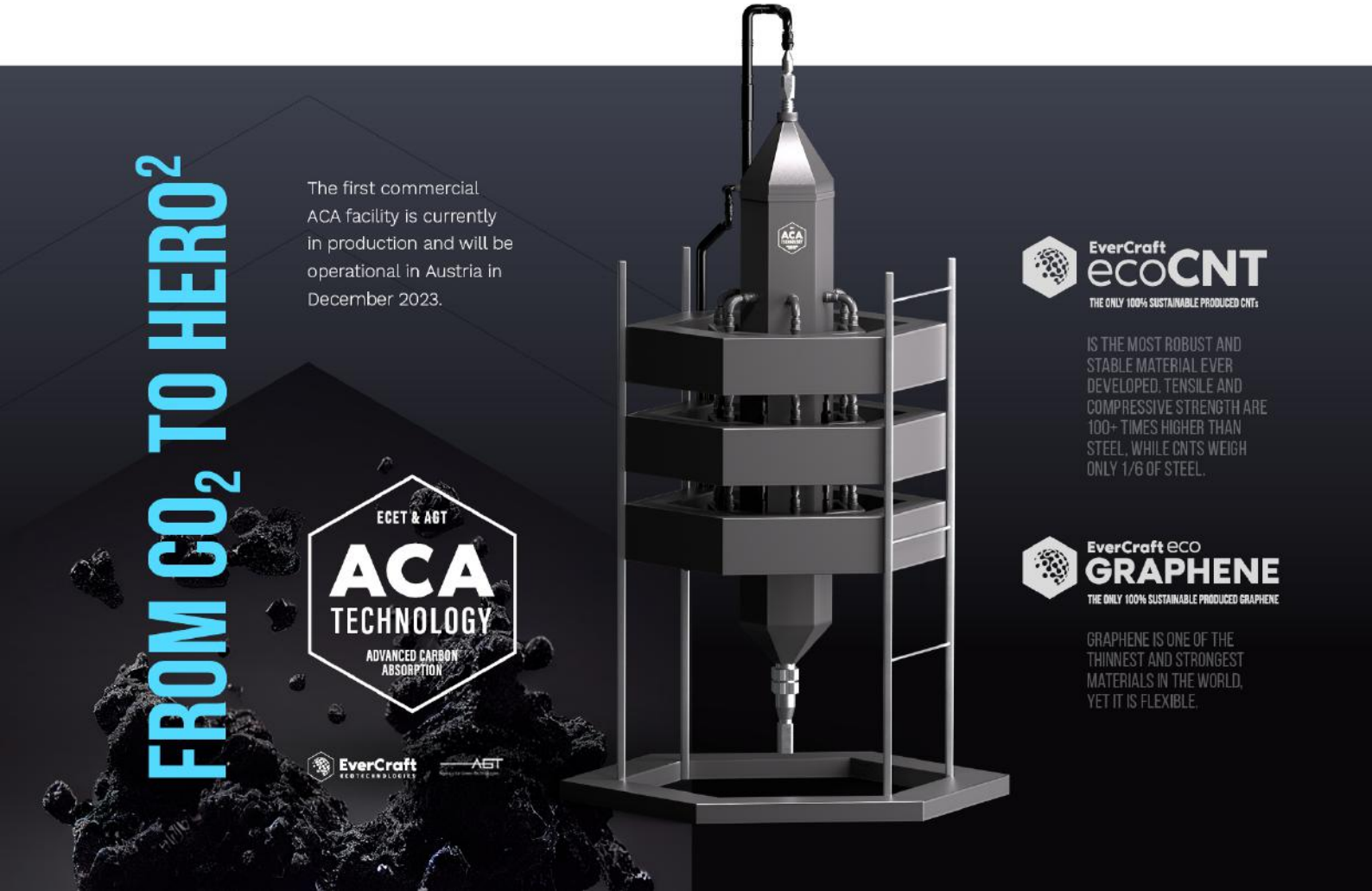
THE MATERIALS OF THE FUTURE

GRAPHENE AND CARBON NANOTUBES AS LI-ION ALTERNATIVES

For several years, many international companies have been intensively exploring graphene as an alternative to lithium-ion batteries.

The unique properties of graphene, such as its robustness, flexibility, and high conductivity, make it a true wonder material. However, high costs limit its industrial application – until now.

Under the leadership of the mastermind Manfred Lenzi, the AGT company, in a multi-year research collaboration with the elite University of St. Andrews, has developed a completely new method (ACA technology) for producing Carbon Nanotubes and Graphene. The production process generates no climate-relevant emissions; in fact, it can even use carbon dioxide as a source and split it. The purity level exceeds 99 %, and the yield far surpasses known manufacturing methods. The cost-efficiency is significantly increased with this innovative approach, resolving the previous challenges completely.



100% ENVIRONMENTALLY FRIENDLY, SUSTAINABLE, CO_2-NEUTRAL

HOW WASTE TURNS INTO HIGH-TECH CARBON MATERIALS

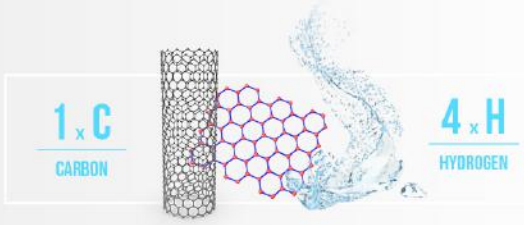
INPUT:
ALL TYPES OF
ORGANIC WASTE

SYN GAS
LTC SYNTHETIC GAS

INPUT:
METHANE GAS CH_4

SEVERAL TYPES OF GASES

CO_2, SMOKE GAS, LANDFILL GAS ...



→ CARBON NANOTUBES
EverCraft ecoCNT

→ GRAPHENE
EverCraft ECO GRAPHENE

+ GREEN HYDROGEN
EverCraft eco GREEN HYDROGEN

THE BIGGEST BREAK-THROUGH IN THE SMALLEST SIZE

The patented splitting processes are inspired by nature – hence catalysts are employed to achieve the separation of gas components in a pure form through chemical reactions. The separated molecules can subsequently be assembled into the intended output materials.

WITH ZERO EMISSIONS TO HERO PRODUCTS

Using ACA and LTC technology, we transform various types of waste into high-value materials, such as Graphene, Carbon Nanotubes (CNTs) and Green Hydrogen, through a thermo-catalytic conversion process - **for the first time in a cost-effective, emission-free, environmentally friendly and sustainable way.**

THE ECO-CNTs ARE THE BASIS FOR THE BATTERY OF THE FUTURE:

EverCraft eco **NANO BATTERY**

EverCraft ecoCNT INSIDE
100% SUSTAINABLE

Traditional batteries face numerous challenges, including a **high demand for rare raw materials, ethically problematic and environmentally damaging manufacturing processes, limited storage capacity, short lifespan, long charging cycles, heavy weight, and the risk of fires due to overheating.** Moreover, conventional batteries and energy storage systems can hardly keep up with the increasing demands of our modern times. Rechargeable batteries will play a central role in many areas of our lives and the global economy in the future - from e-mobility to renewable energies.

THE EVERCRAFT ECO NANO BATTERY CHANGES THAT!

Our nanobattery is characterized by its **lightweight, short charging times, high storage capacity, and minimal temperature increase (no self-ignition).** Its production is **environmentally friendly, without the need for rare raw materials, and it is ethically sound.** Additionally, it is **cost-effective**, ensuring a **reliable supply** and **stable prices**. It contains neither lithium nor a copper current collector or cobalt. In fact, 70% of the material costs consist of lithium iron phosphate (LFP) or nickel-manganese oxide (NM). The nanobattery is **sustainable** because its electrolyte is abundant in nature, without toxic lead, and is **easily recyclable**. Moreover, it is **safe**, as it can be transported or stored in its low-energy state at 0 volts. The nanobattery is based on the same operational principle and format as lithium-ion batteries.

With **significantly shorter charging times, a longer lifespan and range** (especially in electric vehicles), the **substitution of finite raw materials** and hard-to-source materials, a **substantial reduction in battery weight** (up to 75%), and the elimination of some unresolved disposal issues, the battery meets the demand. Furthermore, the battery is non-flammable.

50+ % FASTER CHARGING

50+ % STORAGE CAPACITY

UP TO **-75 %** LESS WEIGHT

+1 °C TEMPERATURE RISE DURING CHARGING

E-MOBILITY LONGER LIFE DURATION & DRIVING DISTANCE

RECYCLABLE PARTIALLY UNSOLVED DISPOSAL PROBLEM IS NOT AN ISSUE

ETHICAL & SUSTAINABLE SUBSTITUTION OF FINITE AND PROBLEMATIC RAW MATERIALS

IMPORT INDEPENDENT ALL CRUCIAL RAW MATERIALS ARE PRODUCED BY OURSELVES

LET'S CRAFT THE FUTURE TOGETHER.

The company Evercraft Ecotechnologies AG was founded in 2023 by DI Mario Wagner (an investor in basic research at St. Andrews) and Holger Kuhlmann, an international expert in blockchain technology, with the goal of bringing groundbreaking technologies, like those of AGT, to market maturity.

Crafting the future in harmony with nature & humanity

EverCraft
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