



TIAMAT

CHANGING THE WORLD OF BATTERIES

February 2019

TIAMAT is a deeptech spinoff from the CNRS that designs and produces Sodium-ion batteries in Amiens, France. TIAMAT has exclusivity on 6 patents + 14 ongoing (8 years of research from the CNRS, Collège de France, UPJV and TIAMAT own patents)

Compared to current dominant Lithium-ion technology, Sodium-ion uses *abundant* and *environmentally friendly* raw materials, with *no sourcing geopolitical risk*.

TIAMAT technology is much more efficient for *power and fast-charge usages* (e-buses, autonomous vehicles, logistics, grid and stationary storage of renewable energies...) *safer* and much more *durable* (life expectancy x5).

**A 5 minute charge instead of several hours
makes TIAMAT a world game changer.**

■ BUSINESS OPPORTUNITY

Battery world market size is €30Bn, growing 20% each year.

Battery Manufacturers can use their current Lithium-ion equipment (impossible with other emerging battery technology). This is a major asset. Taking into consideration a new battery plant cost of ca. €500M, this will make industrial production fast, seamless and straightforward.

Several hundred battery cells are currently manufactured per month. They are produced to be used as proof of market with industrial end-users.

TIAMAT's business model is licensing its IP (patents and know-how) to large worldwide batteries manufacturers (LG, Panasonic, etc.) that in turn provide batteries to end-users.

■ TEAM & PRODUCTS

We are a 4-person management team and a 5-person scientific Board, a rare blend of *seasoned managers and entrepreneurs and world-class scientists*, staff count is 18.

First mini-scooters (« trotinettes ») and e-scooters are available, and performance promises are kept and improved constantly, with a first generation of batteries fully operational.

■ FINANCE

TIAMAT is currently raising €11M equity in order to finance its **industrial demonstration plant** (5 MWh capacity) which will deliver medium-sized battery orders and structure its industrial process-book. It will demonstrate to battery manufacturers implementation gains and ease.

These funds, leveraged by significant subsidies and some bank debt, will allow TIAMAT to breakeven without further financing.

TIAMAT has been financially and strategically supported by *Bpifrance* and *ADEME*, as well as early stage funds (*Finovam, Picardie Investissement*).

**TIAMAT's business-plan is based on reaching breakeven in 2022
and a growing €12M cash-flow in 2025 (staff of ca. 100).**

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