**Upcell Turnkey Solutions Consortium: Application Form**

March 2025

**Background**

The global battery manufacturing capacity is projected to grow more than three-fold, surpassing 7 TWh by 2030. And total energy storage capacity estimates for the energy transition could be 240 TWh. This will require gigafactories across the world, demanding an enormous amount of development and coordination to succeed.

Many battery manufacturers worldwide are looking for turnkey solutions. Some require a complete turnkey package—including the building, process machines, and everything in between—while others need only process machines. Currently, only very few turnkey providers for process machines exist globally, primarily in China, with Wuxi Lead being the dominant player.

As a business-driven alliance, Upcell aims to offer its members concrete solutions to grow their businesses and enhance their chances of success. To achieve this, we see two key steps:

* **Creating Upcell Turnkey Solutions**
A portfolio of battery manufacturing consortiums to accelerate industry scale up
* **Creating the UTKS Steering Committee**
The team that will be the platform to initiate them, bringing companies together across the battery value chain to develop the consortiums that act as full turnkey solutions for building gigafactories efficiently and at scale

We believe that each region—Europe, North America, and Asia—will have more confidence in forming consortia primarily with local stakeholders. This means we will establish at least three regional consortia, each focused on providing turnkey solutions for process machinery.

Beyond regional initiatives, it is essential to create a global turnkey solution capable of managing gigafactory-scale projects worldwide. This solution will integrate the best machine builders from around the world, selected based on a top-ranked index of suppliers from the Battery CTO committee.

We believe at least four consortia are needed, and we are committed to driving their creation. However, if additional stakeholders wish to form new consortia, UTKS will support them.

The selection for the first consortia will be based on experience and existing capabilities.

**Application**

1. *Company Information*

|  |  |
| --- | --- |
| **Company Name** |  |
| **Legal Status** |  |
| **Legal Representative** |  |
| **Trade Registration No.**  |  |
| **Headquarter Address** |  |
| **Country** |  |
| **Year Established** |  |
| **Website** |  |
| **Contact Person** | **Name:****Position:****Email:****Phone Number:** |

1. *Company Profile*

|  |  |
| --- | --- |
| **Company Description** |  |
| **Core Business Areas** |  |
| **No. of Employees** |  |
| **Annual Revenue** (in EUR or USD) |  |
| **Key Markets Served** |  |

1. *Capabilities & Expertise*

Please elaborate on your capabilities and expertise below, limiting your answers to a maximum 150-200 words (ideally less).

|  |  |
| --- | --- |
| **Describe Your Expertise in Battery Manufacturing** |  |
| **Technologies & Innovations Developed** |  |
| **Certifications & Standards Complied With** |  |
| **Case Studies & References**  |  |
| **Describe Your Experience Supporting Lab, Pilot, or Giga Battery Production***Note: Only companies with Giga experience will be considered for the global consortium.*  |  |

Please add “X” to the battery production stage where your company offers products and/or services. If you wish, you are welcome to elaborate in the text box but please limit your answers to a maximum 150-200 words (ideally less).

|  |  |
| --- | --- |
| **Pre-Mixing & Mixing** |  |
| **Coating** |  |
| **Drying** |  |
| **Calendering** |  |
| **Slitting & Notching** |  |
| **Module Cutting** |  |
| **Stacking (Pouch)** |  |
| **Winding (Cylindrical / Prismatic)** |  |
| **Assembly** |  |
| **Formation & Aging** |  |
| **Dry Room** |  |
| **Quality Control** |  |
| **Other***(Any other service or solution not already mentioned)* |  |

1. *Collaboration Interests*

Please elaborate on your collaboration interests and potential contributions below, limiting your answers to a maximum 150-200 words (ideally less).

|  |  |
| --- | --- |
| **Reasons for Joining the Consortium** |  |
| **Previous Experience in Collaborative Projects** |  |
| **Potential Contributions to the Consortium** |  |