

## Daanaa Resolution Inc.

**Company Overview:** Daanaa Resolution Inc. is a **fabless power electronics and semiconductor** company headquartered in Vancouver, BC. Daanaa created the **world's first-of-a-kind hyper-conversion ratio, real-time programmable, high efficiency, all-in-one converter System on a Chip (SoC)**. This innovative technology harnesses a **new physics model** with a multitude of patents granted and in process, creating a new topology for power electronics that is more than 600 times better than related technologies.

**Market Problem:** Power conversion systems require a combination of serial connections, multi-stage conversions and multi component designs. This leads to 20-50% power losses, excess heat, multiple points of failure, wasted resources, additional mitigation components and supply chains dependencies.

**Product overview:** Daanaa's Power Transaction Unit ("PTU") is a **real time programmable SoC**, capable **hyper conversion ratio (>110x)** in a bi-directional manner, irrespective of AC or DC modality needs at **very high efficiency (>97%)**. It effectively consolidates the **functions of up to 20 devices** at a fraction of the complexity, size and cost, eliminating the need for string connection of components, multistage conversion, and other intermediary functions or components.

**Business Model:** Daanaa's business model follows a design-build leading to design-license approach (similar to ARM and Qualcomm). The company utilizes the core of its technology and implements adaptation to customer needs leading to revenue generation from NRE's, unit sales and licensing fees.

**Validated Customer Motivations:** Daanaa's customers save money by the consolidation, replacing and eliminate multiple components and shortening supply chains; reuse single unit in multiple use cases; reduce service and warranty costs. They make Money by Increased margins; capturing down stream revenues; opening new market segments and new use cases as well as collect carbon credits. They reduce time to market and increase pace of internal innovation; improve their product by creating system resiliency, eliminating points of failure and increasing reliability; They reduce engineering and resource burden, design errors and deployment errors.

**Technical Validations:** **>47% more energy** from same surface in Solar Power at the same price point. **>40% more power** from the same chemistry for batteries with reduction in cost. Vehicle Integration Completed for High Voltage BEV Charging from Vehicle Surface. **Multi-Chemistry independent battery** to fixed High Voltage Operation. High Voltage AC 3Phase Motor from a Single Battery. Up to **30% opex reduction** due to single stage grid to GPU Vertical Power Delivery viability.

**IP:** Daanaa's proprietary technology is protected by more than 25 patents in six families prosecuted in 11 jurisdictions.

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