

### ABOUT US

Daanaa's proprietary semiconductor technology transfers energy freely, safely, and efficiently. Power, together with data, can be transferred medium free – wireless, wired, or using existing conductive structures – for improved systems' efficiency. Transactions happen via integrated circuits (IC) operating in the non-inductive near field, BiModal™.

Daanaa chips are versatile, designed to integrate with existing technologies and hardware to reduce costs, complexity, and power losses in diverse applications. Possibilities range from daily electronics and appliances to solar power, electric vehicles (EV) and battery management systems (BMS), among others.

Transfer capabilities include bidirectionality, position freedom, efficient wireless transfer through materials – wood, plastics, glass, and concrete – simultaneous transactions between numerous devices having different sizes, shapes and power requirements, with targeted and adaptable transfer scalable from 1W to 10kW.

Daanaa also allows inversion, rectification and voltage conversions through a millimetric chip for better efficiency and spatial gains.

### FIRST VERTICAL | SOLAR POWER

**Problem:** Solar panels hardly produce power at their full potential. Any shading or inefficiencies affecting one cell causes others' performance to drop to match the lowest performing cell. This series wiring effect allows energy waste. Additional tools in the system also cause efficiency losses.

**Solution:** Daanaa optimizes energy production at the cell level, allowing cells to harvest energy independently of one another. It also provides AC or DC power as output directly from our chips, eliminating the need for external inversion and optimization tools that impact efficiency. With that, Daanaa avoids additional GHG emissions compared to conventional PV.

**Market Traction:** Partner-executed binding commercial agreement in residential solar PV manufacturing for Daanaa-enabled panels offering better performance, less O&M costs and less hassle, at competitive prices.

**Technical Traction:** IC V1 produced by TSMC, fully tested, operating as specified. Solar POC demonstrated higher energy output of up to 270% in real world various shaded scenarios. Nanoinverter™ demonstrated cell-based AC inversion at required efficiencies.

**Market Size:** 138GW capacity added in 2020. Expected growth to 266GW added in 2025. Target markets are USA, EU, and Australia.

**Competition:** Inverters and DC optimizers, costing up to 20% of the system while leaving energy untapped at the cell-level. Not only does Daanaa outperform them, but replaces panel-level optimization technologies, thereby eliminating associated costs, reducing multiple supplier dependencies, and simplifying installation and O&M.

### PROFILE

**Industry:** Semiconductors  
Power Electronics  
Power Management

**Sector:** Clean Energy  
Climate Technology

**Current focus:** Solar Photovoltaics (PV)

**Verticals:** Solar and Wind Power  
Electric Vehicles (EV)  
Battery Mgmt. Systems (BMS)  
Electronic Devices  
Home Appliances  
IoT

**Intellectual Property:**  
16 concepts for method and system in 5 PCT applications, core concept declared "Novel and Inventive" for PPH.

**TRL:** 7

**Funding Stage:** Series A

### TEAM

**Udi Daon, CEO**  
20y+ entrepreneur, 20+ patents, \$MM sales

**Soroush Dehghani, VP R&D**  
PhD, RF power source amplifiers

See all members on [LinkedIn](#).

### ADVISORS

**Thomas Johnson, PhD:** RF power source amplifiers, **Bernard Guay:** PMC Sierra, IC, **Barry Haglund:** PMC Sierra, FIR, **Ken Brough:** PMC Sierra, PM, **Harry Booyens, PhD:** Creo, Kodak, Patents

### CONTACT



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