

Patent
USPTO 9,741,882

Patent
USPTO 17,151,762

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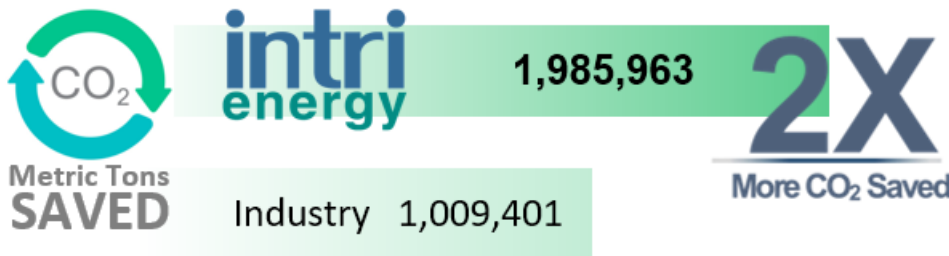
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UNLOCKING THE SUN'S ENERGY

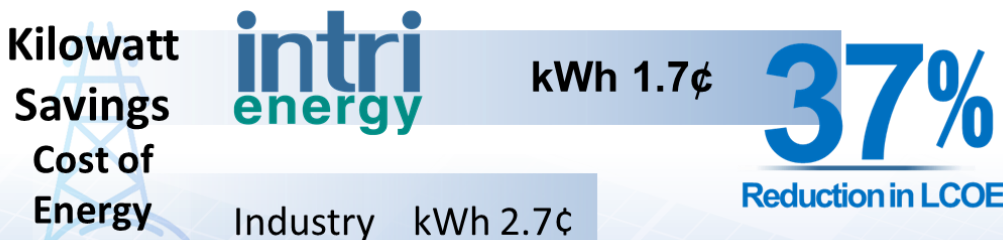
- 60% more energy compared to any other solar cell
- 2X greater CO₂ offset emission reductions
- 3 scientifically proven platform innovations
- Industry standard PV cell design for rapid adoption
- Patented silicon + carbon advantage
- Integrates with existing manufacturing assets



IntriEnergy's Advantage vs Industry (2 square meter solar panel)



The Highest Co2 Emission Reduction Over Any Other Source



The Lowest Cost of Electricity / kWh Over Any Other Source

COMPANY PROFILE

Industry: Energy
Core Team: 7

CONTACT

Jackie Coffey, CEO
jackie@intrienergy.com
cell: 416-435-5121

MANAGEMENT TEAM

Jackie Coffey, CEO (F): 30+ years executive management and consulting in the energy industry including Ontario Hydro, Coffey, Fisch & Associates and SGI

Dr. Franco Gaspari, CTO (F): inventor of the technology, Professor of Physics of UOIT, 30 years in photovoltaics and applied materials research and over 75 published, peer reviewed whitepapers

Jeff Whitney, EVP Corp Dev (F): 30+ years in executive management, start-ups, finance and R&D management at Orion, Scherer Group, Netline and SolarGreen

Dan Pomerleau, CFO 30+ years building better businesses that encompasses start-ups, middle market private equity-owned and public companies focused primarily in manufacturing.

Jan Vandesande, EVP Eng, COO: 30+ years R&D, project management, intl. business development, marketing and sales in the semiconductor/solar industry at IMEC, Intel, Alcatel, Roth & Rau and Activ Solar

Pere Alcazar, VP Product Dev: 30 years international lead engineering roles in technical, design, and deployment of solar projects ranging from 5MW to 500MW at Circutor, Heliene, Helios Energy EU, Initium Ruai SL

ADVISORS

Bert Bruggeman, Board Advisor (F): 20+ years in technology development & commercialization, COO Avogy, Founder /CEO of SVTC Technologies, VP Cypress Semi, MEMC/Sun Edison, IMEC

Ben Machielse (Strategic Planning)

Ballard Spahr (IP Legal)

R&D TEAM and COLLABORATIVE PARTNERS

Dr. Anatoli Chkrebti, Dr. Nazir Kherani, UOIT (Canada), UoFT (Canada), CNR/IMM (Italy)

Note (F) - Founder

Increasing Productivity Across the Solar Value Chain



IntrinSiC™ Competitive Advantages

- Converts 60% more sunlight to electricity
- Seamless integration with existing manufacturing
- Highest Power, Lowest Cost / Watt
- IntriEnergy is not a manufacturer (no Capex)
- Licensing and Royalty Business Model

Manufacturer Productivity Increases

- 60% increase in revenues / watt peak production
- Drop-in replacement, utilizing existing equipment
- No new capex equipment required
- First to bring 3rd generation solar to the industry

Solar Farm | Developer | End User Benefits

- 20% reduction in solar farm deployment costs
- 2X greater CO₂ offset emission reductions
- Up to 60% increase in annual kWh output
- No subsidies required for project bankability

COMPETITIVE ADVANTAGE

IntriEnergy's solar cell innovations can be applied to any PV solar cell without the need for new CAPEX. The IntriEnergy Platform is based on an industry-standard Si wafer and the manufacturing cost per cell will be competitive with today's standard N type or P type mono PERC designs. Our technologies will enable a 620+ watt, 72 cell module compared to today's mainstream solar modules at 400 watts. Applying our patented technologies during manufacturing results in the capture of more of the sun's spectrum, yielding 60% more energy output, driving an enduring competitive advantage in energy density, carbon emission reductions and the lowest cost per watt.

MARKET OPPORTUNITY

Global pressure and government regulations are mandating zero carbon footprints for new energy generation. Traditional carbon-based power generation is no longer acceptable, creating an unprecedented demand for solar energy. New investments in solar have exceeded \$140 billion, with projections to grow to \$4.2 trillion by 2050 and a CAGR of 25%. Added solar capacity exceeded 130 GW in 2020, in spite of the global pandemic, with projections of 150+ GW in 2021, according to Bloomberg New Energy Finance.

TARGET MARKET

IntriEnergy will roll out our cost competitive, high efficiency technology platform to the global market through licensing technology agreements and joint ventures partnerships. Demand for the IntrinSiC™ will be driven by cell manufacturers and module fabricators seeking a competitive advantage. An LOI has already been signed with one of North America's largest solar manufacturers to implement IntriEnergy's initial innovation. Our industry partners have the equipment, experience and existing industry relationships to provide maximum penetration and speed of deployment of the IntrinSiC.