

SOLAR ENERGY SOLVED



ERTHOS

PRESS KIT | 2023

ERTHOS

COMPANY DETAILS

FOUNDED: 2019

HEADQUARTERS: Tempe, AZ

HEADCOUNT: 50+

INDUSTRY: Utility-scale solar

PRODUCTS & SERVICES:

- Provisioning of patented Erthos technology to project developers and builders
- Professional engineering for project developers
- Long-term energy services, including O&M plus autonomous robotic cleaning

FUNDS RAISED: \$24.9M

INTELLECTUAL PROPERTY: US

10,826,426, other US & Intl. patents pending.

PRESS CONTACT:

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KEY PRODUCT BENEFITS

With Erthos, instead of putting solar modules on expensive tracker structures that require difficult to install steel foundations and mechanical structures, you simply put the solar modules on the ground. With this simple yet patented approach, utility-scale solar plants can be built for far less cost, yield more than twice the energy per unit of land, and can be constructed in half the time.

OTHER PRODUCT FEATURES

**NO SUB
SURFACE RISK**



**70% LESS
TRENCHING**



**70% LESS
CABLE USAGE**



**AUTONOMOUS
CLEANING**



**NOISE-FREE
INSTALLATION**



**HURRICANE
PROOF**



EXECUTIVE MANAGEMENT

Jim Tyler, CEO



Jim Tyler's unstoppable passion for success has yielded decades of achievement as an engineer, inventor, and visionary business leader. Now at his fourth VC-funded startup, Jim is merging his entrepreneurial background with his long career as a solar executive. Jim has played a key role in the development of some of the world's largest solar power plants, including as Lead Negotiator for First Solar's 550 MW, \$1.96B, Desert Sunlight Solar PV Power Plant. As the VP of EPC at First Solar, Jim developed and implemented innovative methods to achieve construction velocities never before seen in utility-scale power plant construction. In his role as CEO of Erthos, Jim is now directing the full force of his talents to offering the utility-scale solar market a radical, precipitous, and enduring reduction in the cost of energy.

Charles Pimentel, President



Charles Pimentel has devoted 20 years of his career to the renewable energy space. With a background in engineering and business, Charles has been an effective sales and business development leader for numerous renewable technologies, including hydrogen-based PEM fuel cells, Zinc-Flow battery systems, silicon PV, and CIS PV. Charles served in multiple executive-level positions during his tenure at Solar Frontier, including SVP, COO, and CEO of Solar Frontier Americas Development, LLC. Under his leadership, Solar Frontier vertically integrated their U.S.-based solar business into one of the largest and most capable utility-scale development and IPP businesses in the U.S. In his role as President at Erthos, Charles leverages his technical, entrepreneurial, and executive experience to fulfill Erthos' promise to offer the world's lowest-cost source of energy.

Keith Symmers, COO



Keith Symmers' career has been marked by the oversight of projects of immense proportion and global reach. As former VP of International EPC at First Solar, Keith oversaw the development, construction, or operation of more than 50 utility-scale solar power plants globally, including two of the world's largest solar plants. During his tenure, the First Solar EPC team became the #2 energy construction company in the U.S. within five years of inception. Most recently, while at Sterling and Wilson, Keith oversaw the engineering and construction of the 1.2 GW Noor Abu Dhabi Solar Power Plant, which employed, under his direction, 120 team members and nearly 3,000 workers from over 25 countries. As COO, Keith now brings this formidable skill set to bear in Erthos's drive towards a quantum leap in utility-scale solar deployment technology.

Daniel Flanigan, Chief Marketing & Product Officer



Daniel Flanigan's career has been marked by success in bringing new solar companies and technologies to market. After a decade of working as a solar electrical contractor, Daniel co-founded Zep Solar, a company that disrupted the PV racking space and gained 40% U.S. market share before being acquired by SolarCity in 2013. Prior and subsequent to Tesla's acquisition of SolarCity in 2016, Daniel led the Industrial Design function for Tesla's Solar Roof product. In 2018, Daniel left Tesla to co-found Ojjo, a company that revolutionized the design and construction of utility-scale solar tracker foundations. Daniel brings to Erthos a strong background in product and corporate marketing, communications, product design and development, and business strategy — skills and experience he is now using to help Erthos forever change the way we deploy solar power.

Chuck Smith, Chief Service Officer



Chuck Smith has a long history of creating industry-changing business units and initiatives from the ground up. As a VP at Hewlett-Packard, Chuck exhibited transformational leadership to achieve #1 market share, business growth, and profitability — doubling top-line revenue growth at nearly 5 times the market rate. Under his leadership, HP also reduced operating costs by 30% and increased lifecycle operating efficiency, resulting in a 50% reduction in warranty costs. After a decade at HP, Chuck moved to the renewable energy industry as Executive VP of Global Service and later the EVP of Global O&M for SMA. There, he built an O&M Solutions & Sales team from the ground up and established SMA as the 5th largest O&M provider in the world. In his role as CSO, Chuck is establishing Erthos as the industry-leading global O&M service provider for utility-scale PV.

Michael Minnaugh, Chief Legal Officer



Michael Minnaugh has years of demonstrated success in leading legal functions with an executive mindset. Prior to joining Erthos, Michael served as General Counsel for Valley Metro, the regional transit system that serves the Phoenix area. In that role, he advised Board Members and executives on legal, corporate, strategic, and regulatory affairs, with an emphasis on driving innovation. Before that, Michael was a partner at a major regional law firm, where his practice focused on corporate, construction, and business law. He has previously served as Chairman of the Arizona State Bar Construction Law Section, and in 2020 was recognized by the AZ State Bar as Arizona's General Counsel of the year. Michael leads all Erthos legal affairs and provides strategic counsel on management and operations issues.