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# ENHANCING ENERGY YIELDS with TRUECAPTURE

## Using Nextracker's Proven Intelligent Control Capabilities to Optimize Solar Project Financing and Plant Performance.

**By Defne Gun & Amir Asgharzadeh Shishavan, Ph.D.**

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Backed by more than five years of global operational data, Nextracker's advanced control algorithms provide solar project stakeholders with a bankable solution for mitigating the terrain, shading and irradiance losses that significantly enhances solar project economics.

Validated by leading independent engineering firms, TrueCapture™ is proven to boost photovoltaic (PV) power plant energy yields by as much as 6%, depending on site conditions. Its project-specific control algorithms continuously optimize the orientation of each individual Nextracker row based on real-time weather conditions, accounting for as-built plant geometry, terrain and solar module technology.

TrueCapture gains are not only predictable and bankable—providing asset owners with gigawatt hours of additional production, plant owners are earning over $30M in additional revenue every year and the number continues to grow every year with new customer adoption. Here, we explain how TrueCapture's smart software algorithms—coupled with Nextracker's unique single-axis system architecture—enable project stakeholders to capture the full value of large-scale PV assets and portfolios. After reviewing empirical gains for three real-world projects, we show how top-tier independent engineers (IEs) have validated TrueCapture's project yield enhancements and have accounted for these gains as part of a bankable independent energy yield assessment.

### ABOUT TRUECAPTURE

Since TrueCapture's official release in July 2017, Nextracker's first-of-its-kind intelligent tracker control system has amassed an impressive track record. Leading utility-scale solar energy companies have deployed TrueCapture on more than 200 projects spread across five continents. The top global tracker supplier for seven years running, Nextracker has sold more than 70 GW of its self-powered independent-row single-axis tracker systems. More than 43% of these projects—or roughly 28 GW of global power-generating capacity—include TrueCapture.

To understand how TrueCapture works—and why its capabilities are so unique—one must first appreciate Nextracker's differentiated and disruptive single-axis tracker architecture. Whereas linked-row tracker designs offer only monolithic block-level control capabilities, Nextracker's decentralized architecture allows for highly granular row-level control and optimization. Intelligent independent-row operation is possible because each row in a Nextracker system is powered by its own solar module, battery, actuator and controller.

Photo: SOLV Energy

**NONPLANAR BY NATURE** **Because perfectly flat sites are more myth than reality, Nextracker uses slope-aware TrueCapture software to control its slope-adaptive single-axis tracker hardware. This combination mitigates the row-to-row shade losses associated with terrain and pile-height variance.**

At the control level, the network components required to monitor, command and optimize each single-axis tracker row are all located on the project site. The NX Data Hub, a Linux-based industrial computer, securely and wirelessly controls Nextracker's hardware via a network of router switches, control units and self-powered tracker controllers. Because it is locally powered and controlled, this hardware and software ecosystem is resilient to both AC power outages and loss of external communications. TrueCapture adjusts the position of each individual Nextracker row by dispatching real-time tracking parameters in response to site-specific conditions. Informed by advanced sensor data and machine learning technologies, the control system customizes each row's operational algorithms. These highly granular, computer-aided control capabilities allow TrueCapture to precisely orient tracker rows to account for terrain variance, construction tolerance, cell technology and weather patterns—effectively maximizing a solar power plant's energy yield.

"Nextracker has engaged DNV to conduct a rigorous performance assessment of real-world row-to-row yield enhancements by providing actual > 1 year of operational data to validate our model. Therefore, TrueCapture achieves row-to-row regains in our solar energy assessments."

—Mark Mikofski, Principal Engineer, DNV

## ROW-TO-ROW OPTIMIZATION

Shading from one row to the next in single-axis tracker systems—sometimes referred to as row-to-row shade—offers a prime opportunity for yield improvement. If left unchecked, inter-row shading on crystalline silicon PV modules results in a hard shade line that can activate module bypass diodes and causes the power of affected strings to drop precipitously. Row-to-row shading is exacerbated by terrain variance and construction tolerances for pile-reveal heights, both of which contribute to a undulating surface across a solar plant.

To mitigate row-to-row shade losses, many single-axis trackers employ basic backtracking algorithms that rotate the module away from the rising or setting sun, reducing the width of the shadow. However, linked-row tracker designs can only partially mitigate these shade effects on a block-by-block basis, which limits their effectiveness on sites with terrain variance. By comparison, Nextracker's self-powered independent-row architecture allows TrueCapture to mitigate adjacent-row shading on an individual-row basis.

On sites deployed using traditional full-cell crystalline silicon PV modules, TrueCapture's Shade Avoid mode optimizes energy yields on a row-by-row basis while minimizing the costs and risks associated with site grading. Meanwhile, TrueCapture's Split Boost mode takes advantage of more shade-tolerant module architectures to optimize yields in power plants that integrate crystalline silicon modules with half-cut cells.

**SHADE AVOID IN ACTION** **In this aerial photograph, TrueCapture's Shade Avoid mode is turned on for the tracker rows with unshaded modules (on top) and turned off for those trackers experiencing row-to-row shading (on bottom).**

**SHADE AVOID MODE** Row-to-row shading resulting from variability in terrain or construction tolerance is a common parasitic loss in large-scale solar power plants. As solar projects have increased in frequency and scale, more and more PV power plants show up on sites with complex terrain that might have seemed unsuitable for development just a short time ago. Moreover, anyone who has walked rows of driven piles on an active construction site has witnessed how pile heights vary noticeably in adjacent rows.

Writing for PV-Tech magazine,[1] Aron Dobos, Nextracker's director of performance engineering, explains why terrain shade loss is so pernicious: "If tracker terrain loss is not accurately modeled, PVsyst production modeling simulations, and the revenue models these inform, will tend to overestimate PV plant performance. Consistently underestimating these impacts could erode investor returns and confidence. Moreover, there is little urgency or incentive to claw back avoidable system losses so long as these are consistently underestimated during project development, design and procurement."

What sets TrueCapture apart from standard backtracking algorithms is its awareness of and ability to adapt to row-to-row slope changes. TrueCapture's site-specific tracking algorithms are informed by high-accuracy as-built survey information. This detailed understanding of a site's three-dimensional layout allows TrueCapture to modify each individual row's tracking algorithm and mitigate the energy losses associated with row-to-row shading.

Demonstrating the benefits of recouping tracker terrain losses, engineers for both DNV and Black & Veatch have recently published terrain loss studies for sites with mild slopes. Using proprietary SolarFarmer modeling software, DNV's engineers arrived at a terrain loss of 2% for a site in North Carolina with a 4% average southwestward slope.[2] Meanwhile, engineers at Black & Veatch modeled terrain losses of 2.6% for a proposed project development site in the Eastern U.S. with east-west slopes averaging around 3.3%.[3]

Both the DNV and Black & Veatch engineering studies conclude that most modeled tracker terrain losses are recoupable using TrueCaptue.

Given that many project sites have average slopes exceeding those modeled in these studies, TrueCapture's row-to-row shade mitigation capabilities provide substantial benefits to project developers and long-term asset owners. When shade losses are properly modeled, the benefits of mitigating tracker terrain loss start during project development and financing and accrue over an asset's operational lifetime.

**SPLIT BOOST MODE** In the years since the release of Shade Avoid, TrueCapture's original row-to-row operational mode, modules with half-cut cells have come to dominate the market. Cutting solar cells in half reduces internal resistive losses, increasing module-level power output.

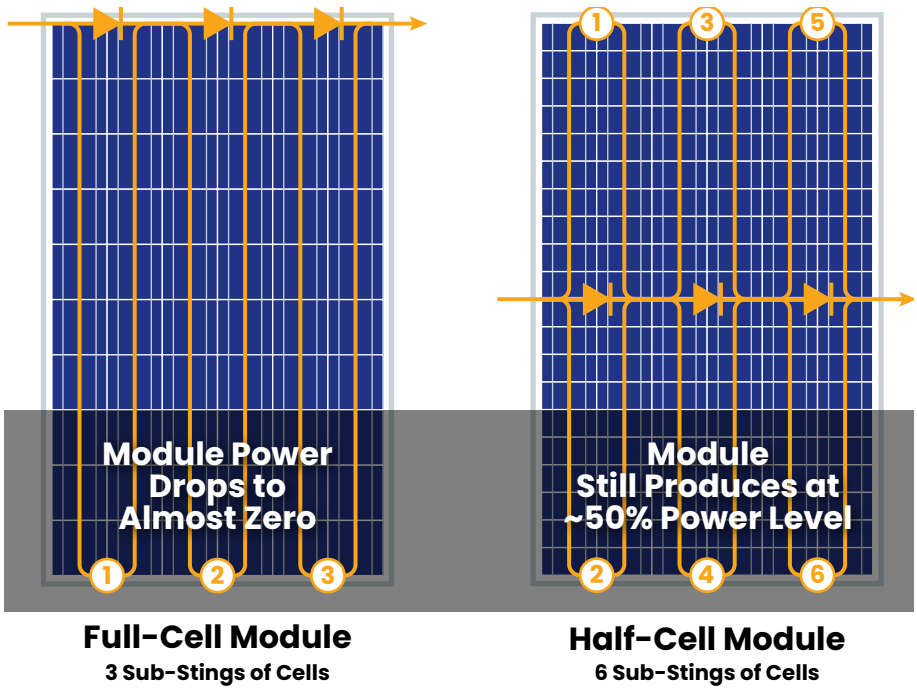
This practice also facilitates the industry's transition to larger wafers and very-large-format PV modules, which further improves system-level return on investment. Because of these benefits, most high-efficiency PV modules on the market today feature half-cut PV cells.

TrueCapture's newest performance-enhancing control algorithm, Split Boost, takes advantage of another unique characteristic of half-cell module designs. Specifically, half-cell PV modules are inherently more shade tolerant than full-cell modules due to internal differences in cell stringing and bypass diode placement.

TrueCapture's Split Boost mode takes advantage of half-cell modules' unique substring architecture by intelligently adjusting how adjacent independent tracker rows interact with one another. Rather than always tilting modules further away from the sun to eliminate any inter-row shading, the Split Boost algorithm determines when it makes sense to increase irradiance on the top half of a split-cell module while shading the bottom half.

By finding the optimum point between the minimized angle of incidence and the need for backtracking, TrueCapture's Split Boost mode optimizes split-cell PV plant production to an unprecedented degree. Since it shares essential capabilities with Shade Avoid mode, Split Boost mode is fully compatible with challenging sites that have complex and varied terrain. Unlike Shade Avoid, Split Boost will also improve energy yield on perfectly flat sites by capitalizing on the additional electrical benefit realized with split-cell modules.

FULL-CELL VS. HALF-CELL PV DESIGNS




**SHADE TOLERANCE** **A standard full-cell PV module (left) can tolerate only a small amount of hard row-to-row shading before its internal bypass diodes activate and its power output drops to almost zero. By comparison, a module with half-cut cells (right) can tolerate hard shading across half of its aperture area and still output at approximately 50% power level.**


**SPLIT-BOOST IN ACTION With half-cut-cell rather than full-cell modules, an independent tracker row can face more directly toward the sun during certain periods of the day and allow shade up to 50% from the adjacent row. This will boost the power on the top half of the modules by minimizing the angle of incidence and will increase the total system power.**

It is important to note that TrueCapture's Shade Avoid and Split Boost modes increase production during off-peak hours, meaning these efficiency gains are not limited by inverter power curve clipping. By comparison, any solar power plant efficiency improvements that boost performance around solar noon—such as reductions in voltage drop losses—typically provide lower returns on investment. Because row-to-row energy recapture occurs early and late in the day, these gains are not coincident with periods of peak power but rather widen the shoulders of the daily power curve. By optimizing system-level performance during otherwise unconstrained operational periods, TrueCapture's row-to-row gains translate fully to energy yield improvements.

## DIFFUSE IRRADIANCE OPTIMIZATION

Periods of suboptimal irradiance present another opportunity for enhancing solar energy yields under off-peak conditions. Under clear-sky conditions, single-axis trackers optimize PV power production by tracking the direct normal irradiance (DNI) originating from the sun. When the sun is obscured by clouds, fog or haze, the DNI component of the sun's energy decreases and trackers can boost PV power production by optimizing tracker angle and solar aperture area to collect more diffuse irradiance.

> "One of the best things about TrueCapture is that Nextracker has done the work to get project stakeholders comfortable with it."
>
> —James Alfi, Director of Solar Engineering, EDF Renewables

**DIFFUSE-SKY OPTIMIZATION Under overcast conditions, sunlight scatters almost isotropically, meaning that it uniformly originates from all directions of the sky dome. For optimal energy harvest, TrueCapture opens the module aperture area toward the sky dome, improving daily gains by as much as 30% under cloudy conditions.**

During cloudy or diffuse-sky conditions, more sunlight gets scattered by the clouds and particulates in the atmosphere, increasing the availability of harvestable diffuse irradiance from the sky dome. A better tracker control strategy for diffuse-sky conditions is to position PV modules in a more horizontal position. This technique opens the collector aperture area to the sky dome and captures more scattered diffuse irradiance.

Nextracker's self-powered independent-row design can quickly rotate modules from facing the horizon to the zenith—and back again—for optimal performance under variable weather conditions. For optimal speed and efficacy, TrueCapture relies on broad sensor arrays, deployed sitewide, that feed real-time weather information to the NX Data Hub in 5-second intervals. Based on these data inputs, TrueCapture's algorithm for diffuse conditions continuously makes high-confidence performance predictions concerning on-sun versus on-cloud rotation.

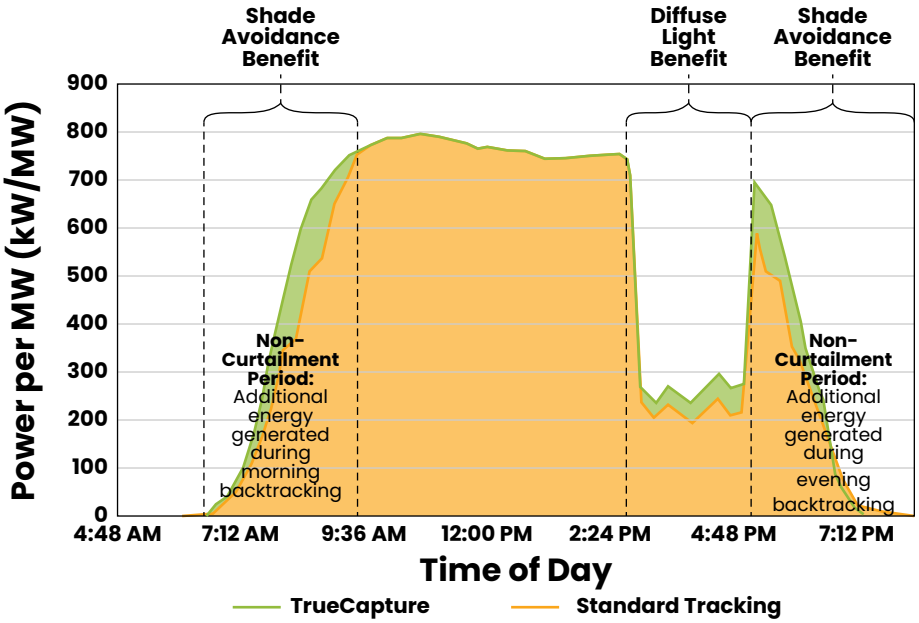
By intelligently adjusting tracker angles during periods when there is no direct sun, TrueCapture's diffuse optimization mode can boost daily gains by 20%–30%. While the annualized energy gains will vary depending upon a site's diffuse irradiance component, performance modeling and validated empirical data indicate that gains of 0.5%–2% are possible in high-humidity locations with hazy or cloudy skies.

Here again, TrueCapture optimizes module-level production under suboptimal conditions, allowing for full energy harvest at the system level. Though diffuse irradiance may occur at any time of day, inverters are rarely if ever power limited when skies are overcast or obscured. Therefore inverter capacity is available to process TrueCapture's diffuse irradiance gains.

## REAL-WORLD PERFORMANCE GAINS

Empirical gains are the best measure of TrueCapture's operational yield enhancements. The following projects demonstrate the real-world efficacy of TrueCapure in typical field deployments.

## TRUECAPTURE ENERGY YIELD ENHANCEMENTS




**OFF-PEAK PERFORMANCE BOOST**
**TrueCapture software boosts system performance during off-peak production periods when inverter capacity is available to capture additional energy yields.**

# BEACON-5, KERN COUNTY, CALIFORNIA, U.S.A.

Built across an arid expanse of the Mojave Desert, the 40 MWac–rated Beacon 5 is the one of five power stations that make up the larger 250 MWac Beacon Solar Project portfolio. Commissioned in 2017, the Beacon 5 solar power station integrates full-cell crystalline silicon PV modules and Nextracker's flagship NX Horizon™ single-axis trackers. The site has a ground coverage ratio (GCR) of 50.5% and an average diffuse irradiance percentage of 26.4%.

Due to its undulating terrain and site layout, the Beacon 5 site experienced significant row-to-row shading while operating with standard backtracking algorithms. To mitigate the impacts of terrain shading, Nextracker proposed implementing TrueCapture's yield-enhancing algorithms. Moreover, project stakeholders engaged independent performance engineers at Black & Veatch to validate TrueCapture's performance gains.

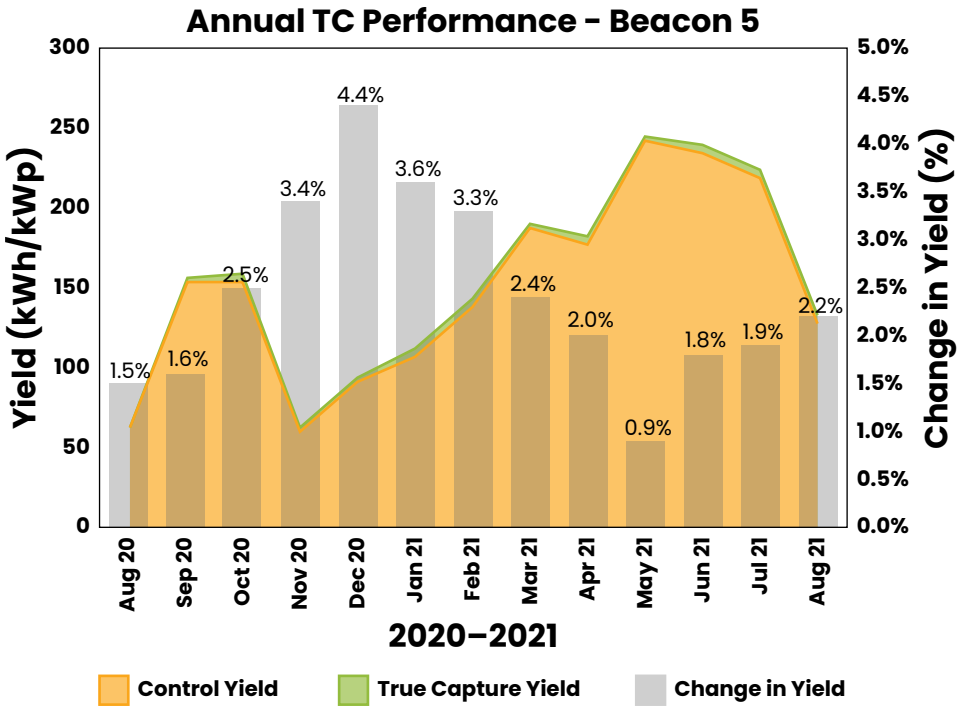
For the purposes of the test, project stakeholders sorted all the blocks according to slope score and divided them into two functionally equivalent groups. Trackers in the control group continued to operate using standard backtracking. Trackers in the TrueCapture group utilized Nextracker's advanced Shade Avoid algorithms.

The resulting 12-month dataset had a resolution of five minutes and included energy production data for every inverter in both the control and TrueCapture groups.

Upon completion of the test period, Black & Veatch averaged the 5-minute data into hourly values and filtered as necessary to account for equipment outages. Additionally, the IEs used a mean and standard deviation analysis to eliminate any bias resulting from differences between the control and the TrueCapture groups. Adjusting the results based on this bias enables a fair comparison of the monthly TrueCapture and control group yields.

In its follow-up engineering report, Black & Veatch noted a 2.2% increase in energy yield for the TrueCapture group relative to the control group.[4] These results confirm TrueCapture's ability to mitigate terrain shading losses and boost energy capture during backtracking hours. Based on these significant performance benefits, Nextracker and Arevon signed a master services agreement to include TrueCapture on all new projects; the companies also implemented TrueCapture on seven legacy solar assets that Arevon runs in Indiana and Nevada.

## MONTH-ON-MONTH TRUECAPTURE PERFORMANCE




"Our independent analysis at Beacon 5 validated that TrueCapture outperformed the control group by 2.2%."

—Chris Billinger, Principal Consultant, Black & Veatch

BLACK & VEATCH

**REAL-WORLD GAINS** **This data visualization shows IE-validated TrueCapture energy yield and monthly performance gains over a 12-month period at Arevon's Beacon 5 Solar Project.**

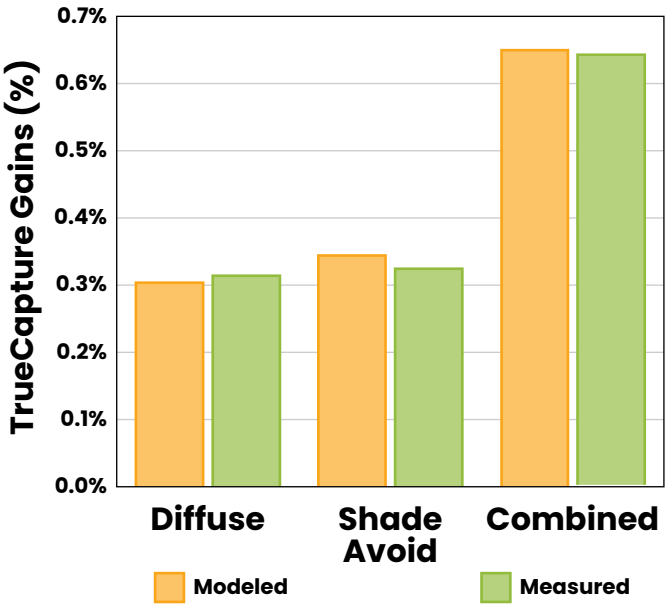
# BLUEMEX, EMPALME MUNICIPALITY, SONORA, MEXICO

Located on 340 hectares (840 acres) of land outside the city of Empalme, the 120 MWac-rated Bluemex solar project commenced commercial operations in July 2019. Developed and owned by EDF Renewables, Bluemex integrates full-cell crystalline silicon PV modules on NX Horizon™ single-axis trackers. Like much of the surrounding area, the Bluemex site was long used for agricultural activity and cattle grazing.

Though the site is relatively flat, James Alfi, director of solar engineering at EDF Renewables, was intrigued by TrueCapture's ability to optimize production under diffuse irradiance conditions: "Since Bluemex is located near the Gulf of Mexico, the site experiences monsoonal moisture on a seasonal basis. We knew that TrueCapture could help us boost energy yields under those humid conditions. But we questioned whether we would see meaningful row-to-row gains given that the site is fairly flat."

Nextracker estimated that EDF could expect to see a boost of 0.64% by implementing TrueCapture at the Bluemex site, with gains of 0.3% coming from Diffuse Boost and 0.34% from Shade Avoid. In February 2021, Nextracker commissioned TrueCapture across the Bluemex site, initiating a 12-month comparative performance test period that would run through January 2022.

## MODELED VS. MEASURED TRUECAPTURE GAINS




**ACCURATE ESTIMATES** **This bar chart shows modeled versus measured TrueCapture gains for EDF Renewable's Bluemex solar project.**

"Before the full-year validation period was over, we started contracting to have TrueCapture installed on other sites."

—James Alfi, Director of Solar Engineering, EDF Renewables

Photo: EDF Renewables

At the end of the test period, performance engineers found a good agreement between the estimated and measured yield enhancements. TrueCapture's Diffuse Boost module provided measured gains of 0.31%. Its Shade Avoid mode resulted in an average gain of 0.32% for the test blocks that best matched the site's average slope number. Overall, TrueCapture provided measured gains of 0.63%, which aligned well with the original estimate.

"We felt comfortable with TrueCapture after seeing a close correlation between the modeled and measured gains," notes Alfi. "Bluemex was a big test for us, as it was our first project to include TrueCapture. Before the full-year validation period was over, we started contracting to have TrueCapture installed on other sites."

# BANCROFT STATION, EARLY COUNTY, GEORGIA, U.S.A.

Located on 485 hectares (1,200 acres) in southwest Georgia, the 102.5 MWac–rated Bancroft Station is a landmark solar project that helps supply 100% renewable energy to Meta's (formerly Facebook) Newton Data Center. Commissioned in December 2019, the first-of-its-kind project showcases Silicon Ranch's commitment to Regenerative Energy®, an innovative and holistic approach to land management.

To maximize benefits to the environment, land and the community, Bancroft Station co-locates solar generation with regenerative agricultural practices. Keeping the property in agricultural production provides quantifiable ecological, economic and social benefits via adaptively-managed livestock, plant diversity, pollinator habitat and wildlife.

To minimize impacts to the topsoil, Silicon Ranch designed the project with terrain losses in mind. "We did minimal grading because we were confident that TrueCapture could make up for most of the losses induced by the undulating east-west terrain," explains Nick de Vries, the company's senior vice president of technology and asset management. "We also employed an IE to quantify the terrain losses, as you cannot boost system performance until you first recognize those losses. When the engineering report came back, the IE calculated a terrain loss of 2% but gave us a boost of 1.8% because we were using TrueCapture."

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>
> —Nick de Vries, Senior Vice President, Silicon Ranch

Bancroft Station is notably one of the first sites to demonstrate the benefits of TrueCapture's Split Boost algorithm. In addition to employing TrueCapture-controlled single-axis trackers, the project integrates half-cell crystalline silicon PV modules that Silicon Ranch sourced locally from a Hanwha Q Cells factory in Dalton, Georgia.

In June 2021, Nextracker implemented a Split Boost test at the Bancroft Station site. Cycling the test blocks between TrueCapture's Split boost mode and standard backtracking on alternating days, performance engineers calculated that half-cell optimization algorithm improved performance by 1.7% relative to standard backtracking on a median sloped test block over a 12-month period. "As a company that builds on varied terrain, TrueCapture helps us mitigate terrain based energy loses, not only at Bancroft Station, but at the new facilities we are building across the country. We are confident that the IEs we work with recognize the value of this innovation as well," says Nick De Vries.

Photo: Silicon Ranch, Bancroft Station

"We have seen Nextracker's TrueCapture software boost energy gains by 2.2% at Beacon 5. Arevon's direct experience with this innovative solution shows how it can add value across the portfolio."

—Anand Narayanan,
VP of Asset Management, Arevon

## BANKING ON TRUECAPTURE

The ability to provide bankable software-enabled yield enhancement is one of the unique ways Nextracker strategically supports its customers and other project stakeholders. To fully realize the benefits of TrueCapture's performance gains, project developers and asset managers need to be able to account for row-to-row and diffuse optimization gains as part of a bankable energy production estimate.

To this end, Nextracker has worked with leading IEs worldwide—such as Black & Veatch, DNV, Enertis, ICF, Luminate and RINA—to quantify and validate TrueCapture's benefits in large utility-scale solar applications. As part of this validation process, Nextracker has shared both the theoretical methodology that informs TrueCapture and the operational data for a variety of fielded assets.

"Nextracker is the only manufacturer that has engaged us to conduct a rigorous performance assessment of real-world row-to-row yield enhancements," says DNV's Mikofski. "Because the company has provided us with full-year data for multiple sites, we can stand behind these gains. Right now, TrueCapture is the only control system that is getting the benefit of row-to-row gains in our solar energy assessments."

This due diligence allows IEs to include TrueCapture gains in their base-case P50 energy production estimates. Moreover, this preconstruction exercise during independent engineering validation is meaningful and informative, allowing project developers to account for TrueCapture yield enhancements in financial models.

"One of the best things about TrueCapture is that Nextracker has done the work to get project stakeholders comfortable with it," says Alfi of EDF Renewables. "When we went through the project finance process on our first TrueCapture project, there wasn't much for us to do in terms of providing validation. The IE firm we worked with had already studied relevant data and knew how to estimate these gains. Tax equity investors were also comfortable with these gains."

**BANKABLE RESULTS** To validate diffuse optimization gains, Nextacker's performance engineers compare yields for a test block (Diffuse Boost activated) versus a control block (no Diffuse Boost). By filtering and analyzing these two datasets, it is possible to normalize power output and energy harvest under clear weather conditions, when diffuse optimization algorithms are not engaged. This normalization step allows performance engineers to isolate diffuse optimization benefits under diffuse conditions.

"Using TrueCapture recovers tracker terrain losses improving the energy output when installed on high undulating terrain."

—Mark Mikofski, Principal Engineer, DNV

Row-to-row gain validation typically uses an internal basis of comparison, comparing a single block to itself on alternating days. During the validation period, Nextracker cycles Shade Avoid or Split Boost on and off on a daily basis. Filtering and analyzing the two resulting datasets, performance engineers can compare the relative performance of the test blocks with TrueCapture engaged versus with TrueCapture off.

**QUALIFYING SITES** The best way to quantify the potential benefits of TrueCapture for a given site is by collaborating and sharing project details with Nextracker's sales engineering team. Nextracker's project engineers employ internal tools to model potential row-to-row and diffuse irradiance benefits based on site-specific inputs. This process requires nothing more than a project layout, a typical meteorological year (TMY) weather file, a site survey file, and the make and model of major system components.

TrueCapture's row-to-row yield enhancements are most pronounced on complex sites with undulating terrain. Similarly, its diffuse irradiance gains are most significant in locations that experience a high percentage of diffuse irradiance. Projects fielded with half-cell modules are also obvious candidates for TrueCapture. Many sites that do not fall neatly into these categories can also benefit substantially from TrueCapture.

Performance modeling is the only way to qualify sites with confidence. Our project engineering teams have years of experience modeling TrueCapture gains. These estimates are informed by rigorous performance validation analyses. Nextracker has developed PVsyst modeling guidelines for both diffuse optimization and terrain shade loss mitigation. Our performance engineers routinely engage with customers and IEs to share these modeling best practices.

As a leader in the global energy transition, Nextracker is committed to providing yield-enhancing technologies and strategic services that maximize solar power plant efficiency. Our in-house experts will help your team quantify the potential benefits of adding TrueCapture to proposed or existing projects. We have also made the necessary engineering validation investments to ensure that projects capture the full benefit of TrueCapture yield enhancements during project financing.

"Independent engineers are now able to say, 'Your production is x percent higher if you apply TrueCapture technology," says Bryan Martin, CEO of D. E. Shaw Renewable Investments. "Now we can take our 30 or 35 years of cash flow, bring that extra spread forward and actually create current net present value. For an owner like us, that is super valuable."

**BRIGHT FUTURE AHEAD Silicon Ranch's Bancroft Station is notable, in part, because it is one of the first commercial sites to demonstrate the benefits of TrueCapture's Split Boost algorithm. The first-of-its-kind project also co-locates solar generation with regenerative agricultural practices that provide quantifiable ecological, economic and social benefits.**

## ABOUT THE AUTHORS

**Defne Gun** is Nextracker's manager of business development and performance engineering for advanced software, which includes TrueCapture and NX Navigator. Defne is a subject matter expert with an extensive background in solar performance engineering. She facilitates product development, performance validation, and market adoption for Nextracker's emerging software solutions.

**Amir Asgharzadeh Shishavan, Ph.D.** is Nextracker's performance engineering manager. He leads a technical team of engineers to optimize and develop novel yield-enhancing tracking algorithms for the TrueCapture product. Amir has a broad experience in PV performance engineering and modeling. He develops performance modeling tools to accurately model the expected energy yield of PV systems and TrueCapture gains.

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Nextracker, is a leader in the energy transition, providing critical yield enhancing PV system technology, expertise and strategic services to capture the full value and maximize the efficiency of solar plants. Delivering the most comprehensive portfolio of intelligent solar tracker and control software solutions for solar power plants, Nextracker is transforming PV plant performance with smart technology, data monitoring and analysis services.

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