

Creating art through engineering

How DSD helped Bishop Ranch deliver a next-generation corporate/community destination — achieving milestones, and exemplifying the highest standards, in the process.

1.33 MW
of solar energy

75%
total energy usage offset

23K+
new trees planted
(equivalent)

The Challenge

Bishop Ranch is a historic business park that serves as the heartbeat of commerce in San Ramon, California. Once the site of a world-renowned pear orchard, today it's the corporate home for Fortune 50 leaders like GE Digital, SAP, Bank of the West and Chevron, and the 30,000-plus employees who support them.

When the park's owner, Sunset Development, decided to create a "City Center" for Bishop Ranch — to offer shopping, dining and entertainment to business tenants and local residents alike — they envisioned a retail ecosystem unlike anything the world had seen before. To accomplish this, they needed partners who could deliver. Enter DSD.



Evolutionary Leaps Forward

When it comes to environmental stewardship, Bishop Ranch keeps raising the bar. The campus already holds the distinction of having the largest concentration of LEED space outside of a major metropolitan area. And, City Center represents another evolutionary leap forward for this extraordinary workplace.

Up next, Phase 2: Sunset Development is continuing to work with DSD to develop more installations across the Bishop Ranch campus. Once installed, Bishop Ranch will be one of the largest solar installations in the US on a commercial campus.

The Outcome

Because of its creative, architecturally beautiful yet prudent approach, DSD was selected to develop City Center's renewable energy solution. The DSD team worked seamlessly with architectural partners to extend a visionary design throughout every corner and detail of this new community gathering place.

The result is a rooftop PV and canopy PV system whose function is arguably as breathtaking as its aesthetic. DSD's engineers utilized special "bifacial" solar module technology to capture power on both sides of the panels, optimizing energy production. The solar arrays offset 75% of City Center's total energy usage. And the two systems together produce 1.33 MW of clean energy — the equivalent of removing over 300 cars from the road or planting more than 23,152 new trees.



Power Metrics



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of solar energy



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Equivalent to



23K+
new trees planted



300
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City Center Bishop Ranch is the largest shopping center in the world to be awarded **LEED Platinum certification.**

“What the developers and architects set out to build was nothing short of a work of art. Our challenge was to engineer a solution that enabled the realization of that vision.”

Ben Jones

VP – Canopy Design Engineering
DSD



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