



SIEMENS

Ingenuity for life

Sterling Ranch, Colorado

Siemens helps create the perfect community that's smart and sustainable.

usa.siemens.com/sterlingranch

Take a walk through Sterling Ranch and you'll see the beauty of nature all around you. You might even glimpse elk or the occasional deer on a distant ridge. What you won't see is the cutting-edge technology that helps make this new community 15 miles south of Denver a model for smart-city development. The powerful combination of technology and respect for nature has been a driving force behind Sterling Ranch since day one.

Creating perfect places

The founders of Sterling Ranch envisioned a high-tech, sustainable community – not just a development – that is at one with the land they loved at first sight. To help bring it to life, they turned to Siemens. A global leader in technology and smart-city expertise, Siemens is dedicated to helping communities create perfect places to live, work, learn, heal, and play.

For Sterling Ranch, that means creating the perfect place for technology-forward people who want to live in an inspiring natural setting. Where state-of-the-art technology provides modern amenities and makes it easy to conserve natural resources. Where innovative applications help make it safe for children to visit their nearby grandparents. And where a focus on the future makes today even better.

Partnering for 20 years

To create this perfect place for Coloradans, Sterling Ranch partnered with Siemens because of a shared commitment to bringing innovation and preservation together. Through a forward-thinking, 20-plus-year partnership, Sterling Ranch and Siemens are working jointly to implement and maintain the best, most relevant technology for all who live and work in this 3,400-acre community.



Situated between two state parks, the 3,400-acre Sterling Ranch community will feature 30 miles of internal trails that connect to the state parks. Almost 1,000 acres will be devoted to parks and other open spaces. Another 300 acres are slated for commercial and retail properties.

20-year partnership will keep Sterling Ranch up to date.

Technology partner

As the technology partner, Siemens is involved in all aspects of technology planning, design, and development. A major focus is developing the best ways people can use technology to improve everyday life. Siemens technologists and engineers identify and evaluate new technologies from best-in-class manufacturers, looking at thousands of ways the community – and all who live, work, and play there – can benefit from the latest technology. Those solutions that make life in Sterling Ranch more sustainable, safer, easier, and more enriched have been adopted, customized, and implemented.

Connecting the community

Sterling Ranch and Siemens are redefining the concept of community in the 21st century. They are using technology to connect people with each other and the land, fostering a new sense of belonging. The Siemens-designed intelligent infrastructure that makes this possible sets the standard for smart communities. The fiber-optic network, for example, offers the fastest Internet connection available. With this gigabit platform, a family can seamlessly manage a household's worth of devices without interruption while downloading a full-length HD movie in less than six seconds.

Each residential unit is also equipped with STEWARD, an exclusive home automation and security platform,

developed by Siemens in conjunction with Sterling Ranch. STEWARD also provides a connection to ongoing community news feeds, accessible at home or via mobile app, so neighbors can stay up to date on the latest events. This connection between STEWARD and the community is a unique aspect of the project.

Enabling sustainability and safety

Two guiding principles for the development of Sterling Ranch are sustainability and safety. Water management is a particular concern in this semi-arid region. Storm water capture and smart irrigation systems make it possible to harvest rainwater for irrigating yards, parks, and open spaces. Water, electric, and natural gas metering with ongoing real-time consumption data helps people reduce water usage and be more energy efficient.

A modern public safety infrastructure makes for a welcoming and protective community. Street, trail, and pedestrian lighting are integrated with mass notification. Streetlights are topped with multi-colored beacons that are switched on in case of emergencies. Each color has a different meaning, such as fire or tornado or lost child.

Adapting to new technology

The 20-year partnership means Siemens will be on hand to make sure Sterling Ranch is prepared to meet its future needs. Because the infrastructure



Siemens has been helping cities meet their goals for more than 170 years. Its recent leading-edge smart-city experience in the Aspern neighborhood of Vienna, Austria appealed to Sterling Ranch. One of Europe's largest urban development projects, Aspern is a test bed for smart-city technology. Support from Siemens is part of Vienna's ongoing efforts to stay at the head of the "Top 10 Smart Cities on the Planet" list.

was built with the future in mind, it's ready for the advent of 5G networks and the new technologies and applications they will unleash. And then it's ready for what 6G will offer, and then 7G. Ongoing lifecycle management will also keep the technology up to date and Sterling Ranch at the forefront of living.

By bringing smart-city innovations to the rugged foothills of the Rockies, Sterling Ranch sets itself apart, appealing to people who have a passion for nature as well as the latest technology. In the process it's created a new kind of community. It's one that's smart, safe, and sustainable – firmly focused on the future while protective of the resources it's inherited. Sterling Ranch is the perfect place for today and tomorrow.



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