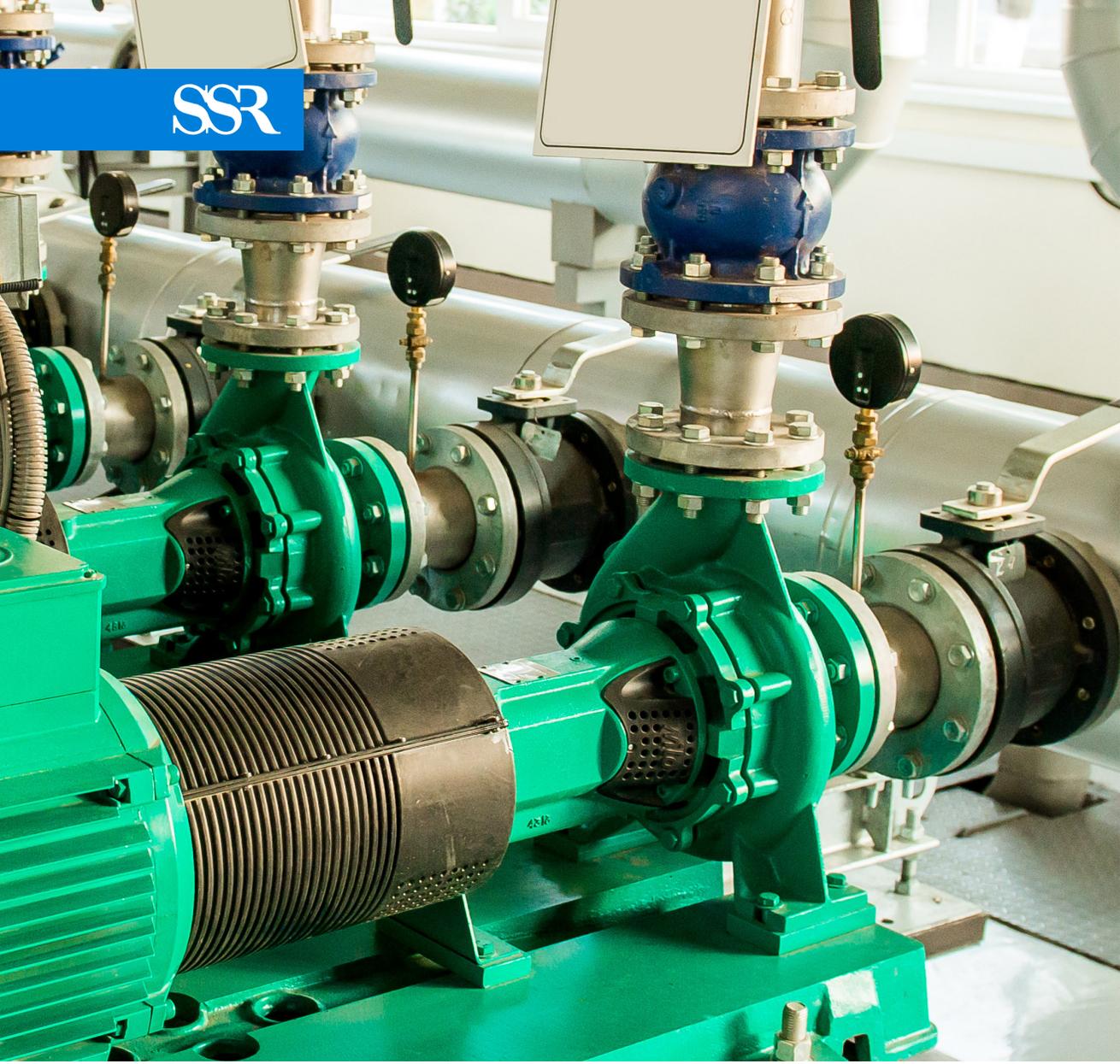


The logo consists of the letters 'SSR' in a white, serif font, set against a blue rectangular background. The 'S's are stylized and connected at the top.

SMITH SECKMAN REID, INC.



ENGINEERING | TECHNOLOGY + EQUIPMENT PLANNING
COMMISSIONING | SUSTAINABILITY | BUILDING ENCLOSURE

GET TO KNOW US

Smith Seckman Reid, Inc. is a 100% employee-owned engineering and consulting firm that believes in putting people first. You are the driving force behind our dedication to providing engineering, commissioning, sustainability, and technology solutions. Leveraging our more than 50 years of expertise, we're focused on providing exceptional client experiences. We know that your successes are our successes — and we intend to succeed.

Since our founding in 1968, SSR has become a leader among engineering firms in designing, consulting, and commissioning projects for public and private clients across the United States and around the world. Whether it's new construction or

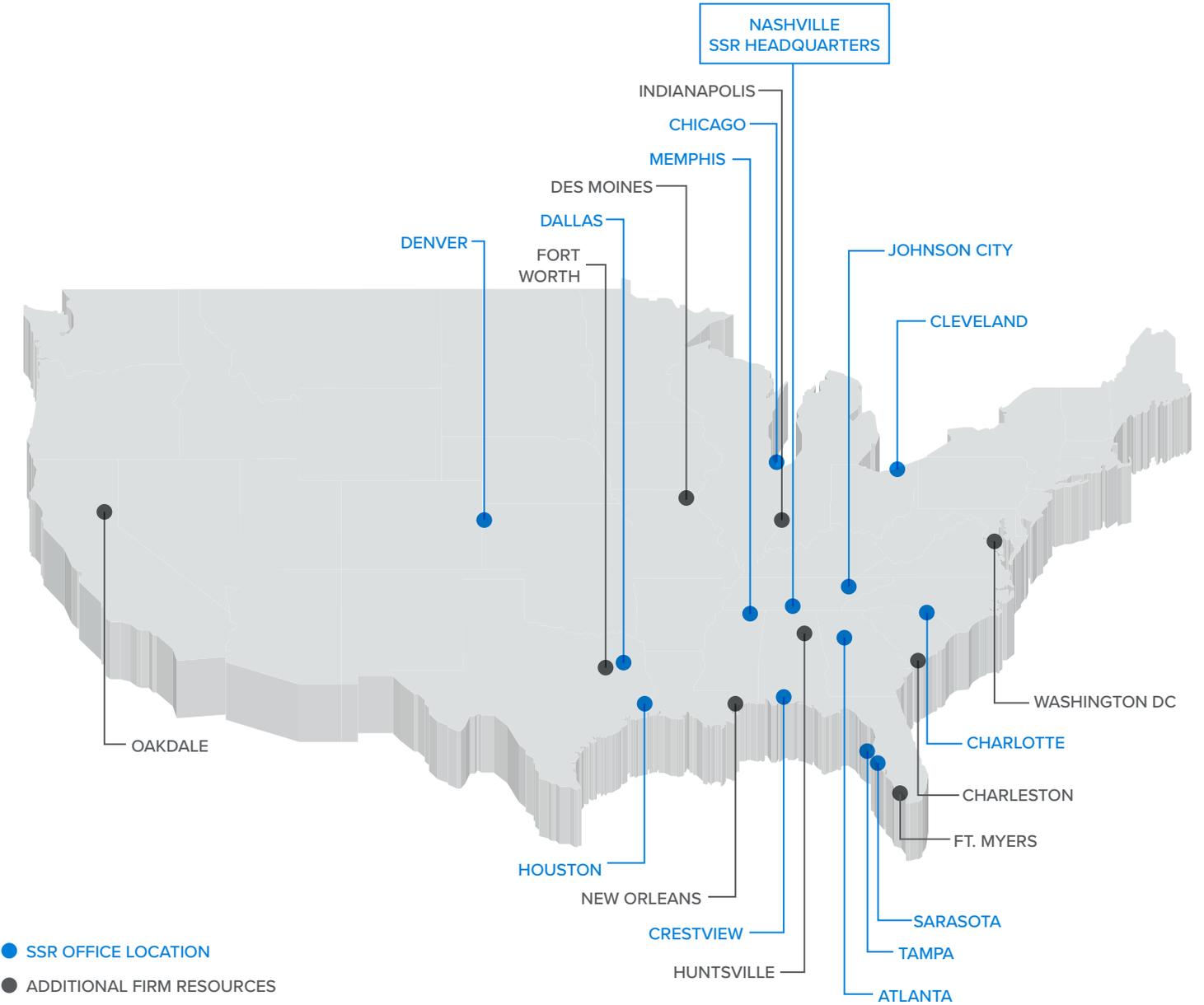
modernizing existing spaces, we have the depth of experience required to respond to client needs.

Our professionals offer a full range of engineering system designs and consulting services required by today's complex facilities. Our team focuses on providing system solutions that are operationally flexible, efficient, and sustainable.

WE ARE **SMITH SECKMAN REID**
& WE'RE IN THE BUSINESS OF
PROVIDING EXCEPTIONAL CLIENT
EXPERIENCES.

“SSR IS WELL POSITIONED FOR FUTURE SUCCESS AND WILL CONTINUE TO MAKE A VERY POSITIVE DIFFERENCE FOR OUR CLIENTS, OUR COLLEAGUES, AND IN THE COMMUNITIES IN WHICH WE WORK.

STEVE LANE, CEO





WHAT WE DO

BUILDING ENCLOSURE

Building Enclosure Commissioning
Roof Consulting
Enclosure Testing
Facility Condition Assessments & Investigations
Design & Design Consulting

CIVIL

Site Planning & Development
Grading & Drainage
Erosion & Sediment Control
Stormwater Management
Surveying & Mapping
Hydrology

COMMISSIONING

Total Building Commissioning
Retro-Commissioning
Continuous Commissioning®

COMPLIANCE AND FACILITY MANAGEMENT

Continuous Compliance Readiness
Environment of Care Reviews
Day 2 Compliance
Facility Management Consulting
Compliance Education/Training

CONTROLS AND INTEGRATION

Process Control
SCADA
Wireless Communications
Machine Control & Guarding
Data Collection

ELECTRICAL

Power Distribution
Interior & Exterior Lighting
Daylighting
Standby Power Facilities
Uninterruptible Power
Power Conditioning
Coordination Studies

ENVIRONMENTAL

Water Treatment & Distribution
Wastewater Treatment & Collection
Water Reclamation/Reuse
Integrated Water Planning
Financial Analysis
Program Management

FIRE PROTECTION

Wet & Dry Sprinkler Systems
Clean Agent Systems
Foam Systems
Hydraulic Modeling

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

System Design & Implementation
Infrastructure Mapping & Asset Management
Data Migration
Mobile & Web-based Geospatial Solutions
Location Analytics
Training

MECHANICAL

Central Energy Plants
Building Automation Systems
Energy Management
CFD Analysis
Geo-Exchange
Campus Distribution Systems
High Performance HVAC
Cogeneration

PLUMBING

Building Water Supply & Sewer Gas Systems
Water Use Audits & Management
Greywater & Rainwater Systems
Process Pure Water
Solar Water Heating

STRUCTURAL

Foundations, Deep & Shallow Reinforced, Pre-Stressed, & Post-Tensioned Concrete
Steel Fabrication
Failure Analysis
Seismic Evaluations & Retrofit

SUSTAINABILITY

Green Building Certification Consulting
Sustainability Consulting
Building Performance Consulting

TECHNOLOGY + EQUIPMENT PLANNING

Healthcare Technology + Equipment Planning
Healthcare Consulting
Equipment Planning
Communication Systems Design
Security Consulting
Audiovisual Design
Asset Management
Procurement
Transition Planning
Move Management

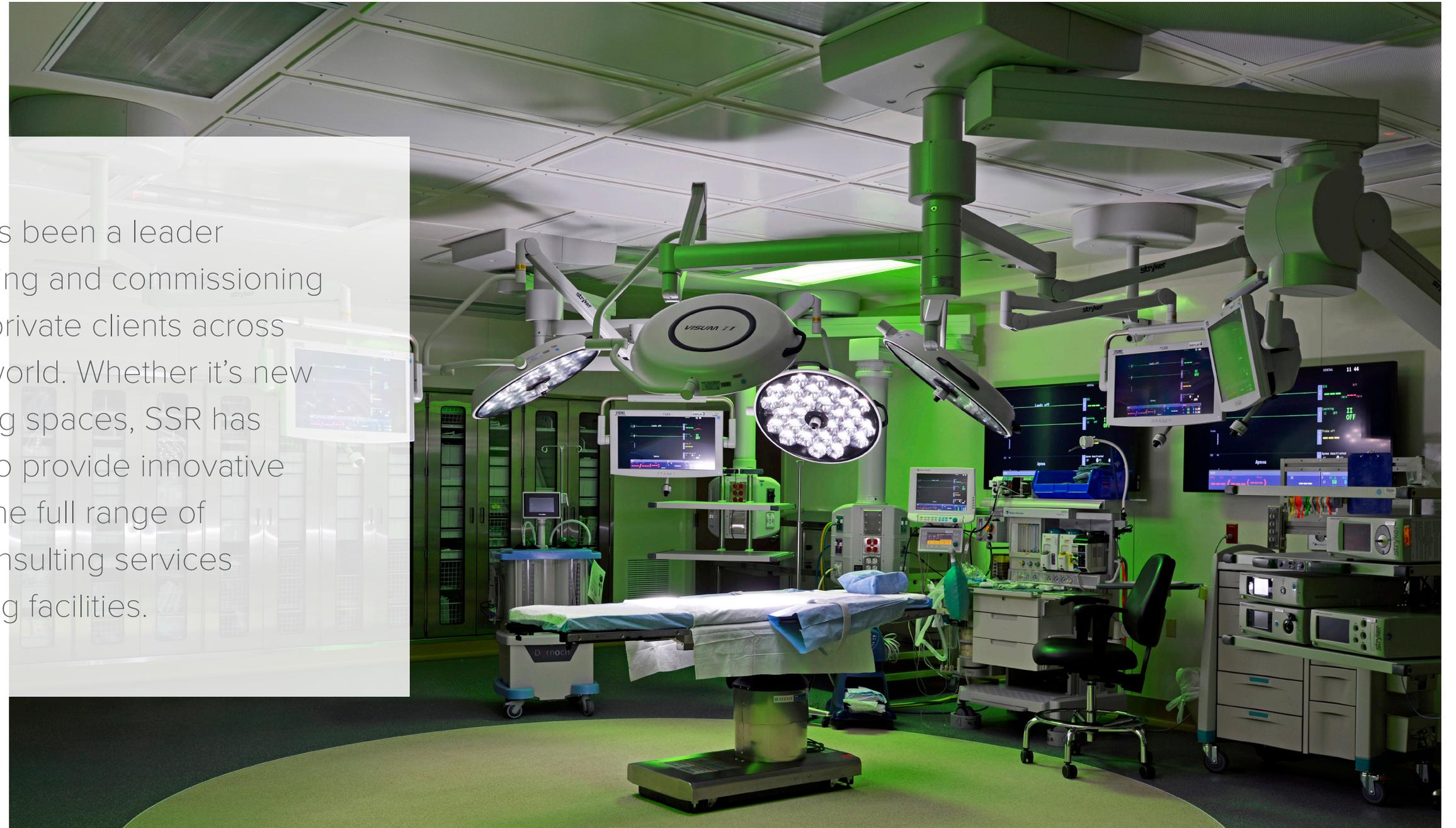
TRANSPORTATION

Roadways & Bridges
Signalization
Airports
Port Facilities
Roadway Planning & Safety Audits
Intelligent Transportation Systems
Construction Engineering Inspection

Continuous Commissioning®, CC® and PCC® are registered trademarks of the Texas A&M Engineering Experiment Station, a member of the Texas A&M University System, an agency of the State of Texas.

HEALTHCARE

Since our founding in 1968, SSR has been a leader among engineering firms in designing and commissioning healthcare facilities for public and private clients across the United States and around the world. Whether it's new construction or modernizing existing spaces, SSR has the depth of experience required to provide innovative solutions. SSR professionals offer the full range of engineering system design and consulting services required by today's complex healing facilities.





MISSION HOSPITAL FOR ADVANCED MEDICINE

ASHEVILLE, NC

The Mission Hospital for Advanced Medicine project is a 608,000 SF expansion to replace and relocate services of Mission St. Joe Hospital from across Biltmore Avenue onto the main Mission campus. The 11-floor tower includes intensive diagnostic and treatment modalities (emergency department, interventional surgery, cath, and ICU) in addition to multiple nursing unit floors.



MOHAWK VALLEY HEALTH SYSTEM

UTICA, NY

SSR is providing mechanical, electrical, plumbing, technology, and sustainability engineering and consulting services for a 685,000 SF, 360-bed replacement hospital for Mohawk Valley Health System in Utica, NY. Project program includes new emergency department, diagnostic, interventional, behavioral health, and inpatient units for med-surg and critical care as a replacement for the St. Luke's and St. Elizabeth's hospital campuses. Our scope includes a new central energy plant, including 5MW generator capacity and 3,000-ton chiller capacity.



COOK CHILDREN'S MEDICAL CENTER

FORT WORTH, TX

SSR has been working with Cook Children's Medical Center (CCMC) since 1996, helping this growing campus evolve and anticipate future needs. Over the past two decades, we've been involved in a wide variety of projects, including major renovations and additions, master plans, expansions, and upgrades. Some of our key projects with CCMC include the North and South Towers and Dodson Specialty Clinic on the main campus in Fort Worth, TX, and Cook Children's Northeast Hospital in Hurst, TX.



LEE HEALTH

FORT MYERS, FL

For more than 15 years, SSR has helped Lee Health provide quality healthcare to more than one million patients each year. We serve as an extension of their team and continually seek out ways to make their facilities more efficient, make our processes more effective, and better serve as their advocate.

We've been involved with hundreds of projects across their facilities, including the new Golisano Children's Hospital of Southwest Florida.



TEXAS CHILDREN'S
HOSPITAL LEGACY
TOWER
HOUSTON, TX

Texas Children's built 19 floors on top of the existing building base next to Texas Children's Pavilion for Women adding 643,000 SF, resulting in a 25-floor tower, bordering the Texas Medical Center (TMC).

The new tower houses 130 beds for pediatric and cardiovascular intensive care, new operating rooms with the latest technology, and will be the new home to Texas Children's Heart Center, including the outpatient clinic, cardiovascular operating rooms and catheterization labs.



MERCY MEDICAL
CENTER

WILLISTON, ND

SSR provided medical equipment planning on a 27,000 SF Ambulatory Surgery Center on the first floor with one OR, two procedure rooms, and a Diagnostic Treatment space with CT, Gen Rad, Bone Density, and Mammo. The project also includes a 70,000 SF medical office building.

SSR provided a separate review for architecturally significant equipment for the physician group on the second and third floor clinic spaces and we provided technical specifications to the design team.



MONROE CARELL JR.
CHILDREN'S HOSPITAL

NASHVILLE, TN

Monroe Carell Jr. Children's Hospital at Vanderbilt is undergoing a four-story vertical expansion, adding 170,000 SF of space that will be used to fulfill current and future healthcare needs of children from Tennessee and surrounding states. This expansion, when completed, will bring Children's Hospital's inpatient capacity to nearly one million total SF.

The project includes expansion of the existing mechanical penthouse, addition of four new floors, and relocation of the existing heliport. One floor will be fit-out as a state-of-the-art inpatient bed floor (NICU and/or PICU).



WELLSTAR HEALTH
SYSTEM

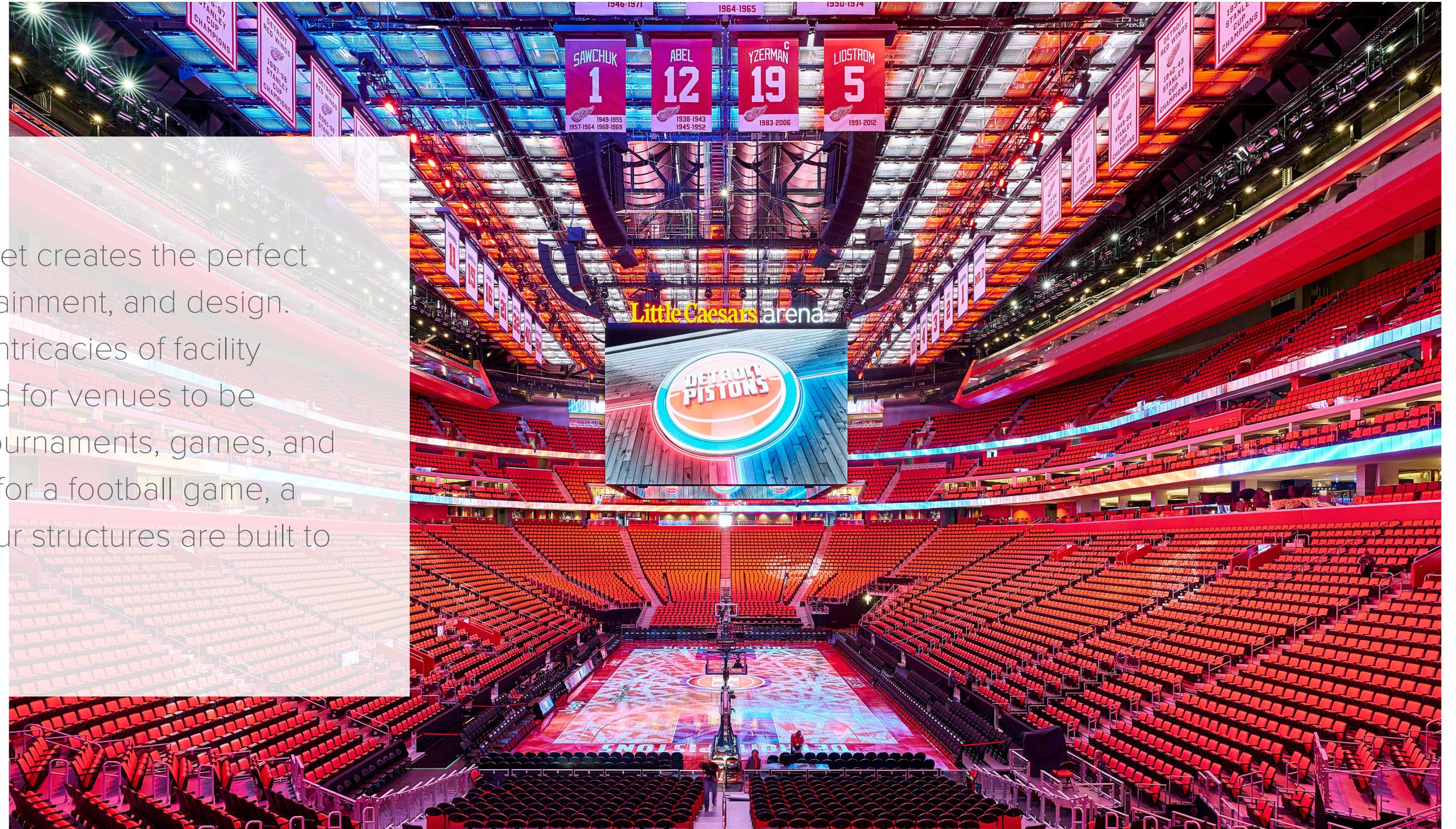
MARIETTA, GA

SSR has provided medical equipment planning, procurement, and facility transition / move management services for multiple projects across the WellStar system at the following locations:

- WellStar Kennestone Hospital
- WellStar Avalon Health Park
- WellStar Paulding Hospital
- WellStar Cobb Hospital
- WellStar Acworth Health Park
- WellStar Windy Hill Hospital
- WellStar Blue Tower 2
- Multiple WellStar MOB's

SPORTS & ENTERTAINMENT

The sports and entertainment market creates the perfect convergence of technology, entertainment, and design. Our professionals understand the intricacies of facility design and commissioning required for venues to be flexible enough to host concerts, tournaments, games, and other diverse events. Whether it is for a football game, a rock concert, or a hockey match, our structures are built to last.





UCLA HEALTH TRAINING CENTER

EL SUGUNDO, CA

After decades of bouncing from practice space to space, the Los Angeles Lakers finally have a permanent home. The LA Lakers headquarters and training facility was designed to encourage integration across all aspects of team operations, while keeping basketball at the center of the design and focus. The two-story facility is designed out from a double basketball court and includes two half-courts, a training area, team area, atrium, and corporate headquarters. The state-of-the-art facility was designed with many sustainable elements and achieved LEED Platinum® certification.



LAS VEGAS MULTIPURPOSE STADIUM

LAS VEGAS, NV

SSR is providing engineering services for the Las Vegas Multipurpose Stadium, home to NFL football team Las Vegas Raiders and NCAA football team UNLV Rebels. The stadium will operate as a state-of-the-art independent venue, specifically designed to be ideally suited to hosting world class sporting events such as Super Bowls and the FIFA World Cup. With a permanent seat capacity of 65,000, seating capacity can be temporarily expanded up to 72,000.



LITTLE CAESARS ARENA

DETROIT, MI

Opened for the 2018 NHL season, the new Little Caesars Arena serves as home to the Detroit Red Wings, Detroit Pistons, and numerous other sports, entertainment, and community events. The Arena is the cornerstone of a new 45-block redevelopment in downtown Detroit called The District Detroit.

SSR provided mechanical, electrical, plumbing, and fire protection design, along with energy consulting for the arena.



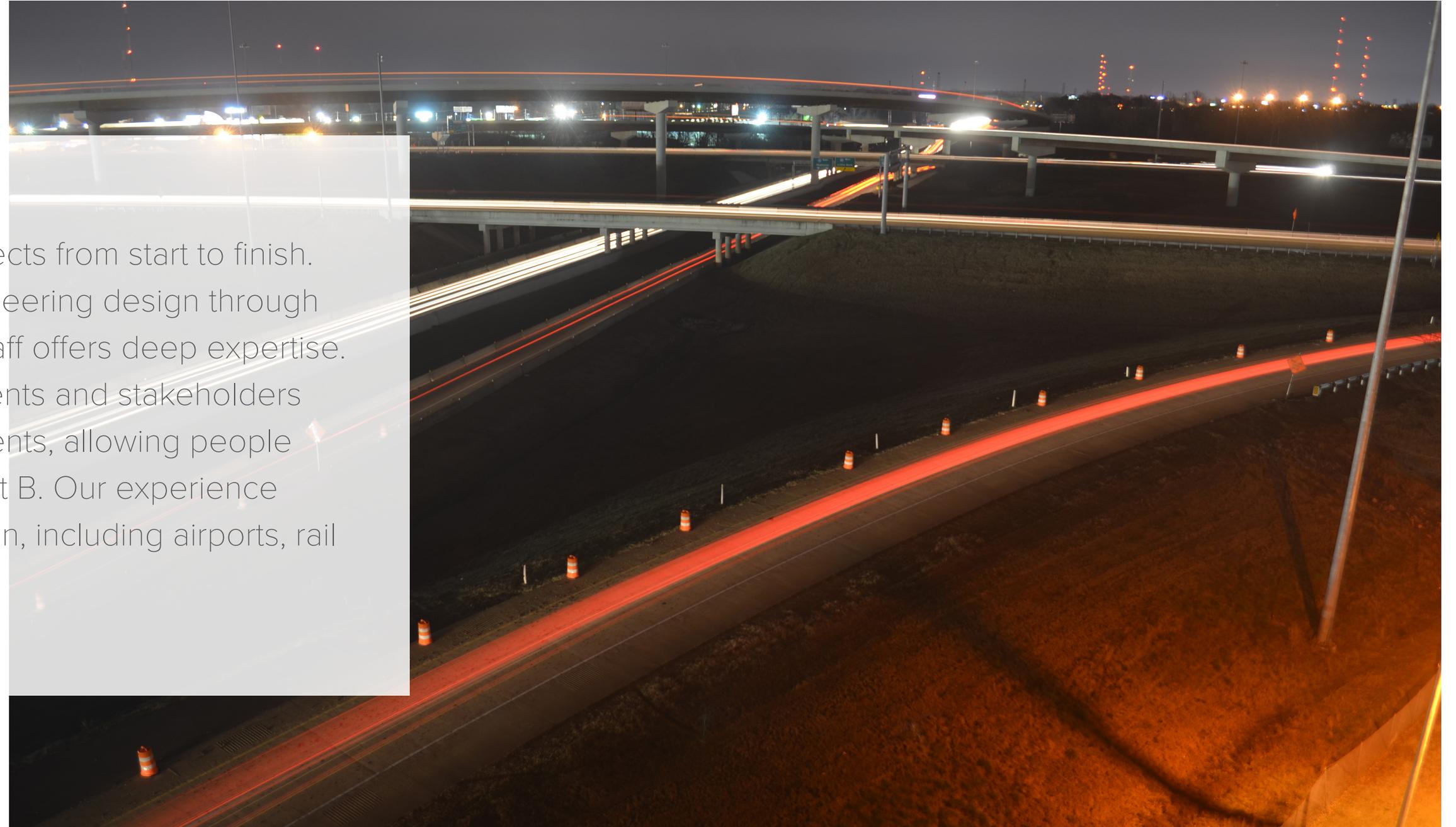
CHASE CENTER

SAN FRANCISCO, CA

SSR was selected to provide mechanical, electrical, plumbing, and fire protection design and LEED facilitation services for Chase Center, the new home of the Golden State Warriors. This state-of-the-art 18,000-seat arena will also host concerts, family shows, conferences, and various other events. The new surrounding entertainment campus also includes two mixed-use office buildings and a large public plaza.

TRANSPORTATION

At SSR, we see transportation projects from start to finish. From preliminary studies and engineering design through construction and inspection, our staff offers deep expertise. We collaborate closely with our clients and stakeholders to develop transportation components, allowing people to move safely from point A to point B. Our experience extends to all forms of transportation, including airports, rail systems, roads, and ports.





I-40 / I-240 INTERCHANGE

MEMPHIS, TN

SSR provided construction engineering inspection oversight for the modification of the I-40/I-240 interchange from I-240 north of Walnut Grove Road to north of Covington Pike including 0.3-mile west of the interchange to Sycamore View at I-40. The project called for the construction of two new flyover bridges, grading, drainage, retaining wall construction, and paving. The project was 5.7 miles in length and was the largest single project for TDOT with a construction cost of \$110 million.



I-440 RECONSTRUCTION

NASHVILLE, TN

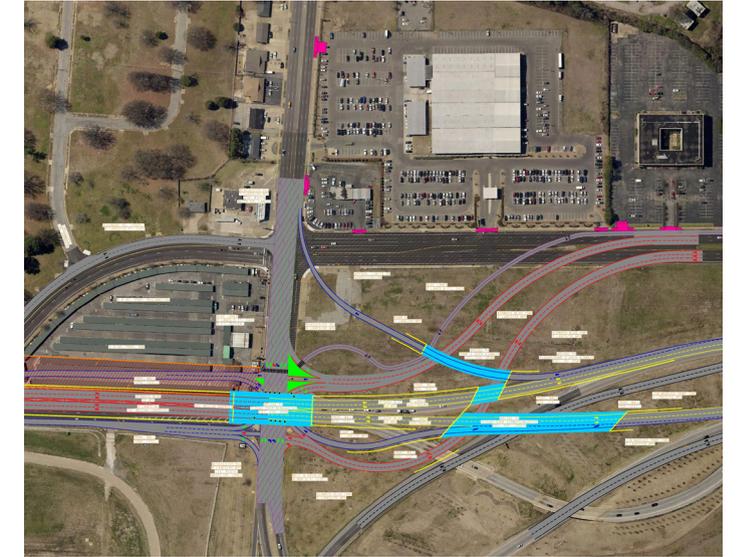
I-440 is a major interstate through the heart of Nashville, TN. SSR is providing construction engineering inspection services on this \$152 million-dollar project. The interstate is being widened to three lanes throughout its entire seven-mile span through the removal of an existing median separating the east and west bound lanes. The project also includes lighting and ITS improvements, ramp widening and upgrades, and new noise walls along the route. The project is expected to be completed in 2020.



SR-81 / SR-20 RESURFACING IMPROVEMENTS

WALTON COUNTY, FL

SSR is providing CEI services for the SR 81 and SR 20 resurfacing projects just south of Holmes County and the Town of Ponce de Leon. These two projects consist of milling and resurfacing approximately 24 miles of two-lane arterial roadway in Walton County. Also included are turnout construction and side-road paving, guardrail upgrades and replacement, miscellaneous drainage improvements, bridge joint rehabilitation, and signing and pavement markings.



PLOUGH BOULEVARD

MEMPHIS, TN

Following the completion of a Transportation Planning Report, SSR was hired to improve 3,000 LF of Plough-Airways Boulevard south of Brooks Road, and 3,000 LF along Winchester Road east of the existing at-grade Plough Boulevard intersection with tie-ins to the south and west of the intersection. The improvement will provide a grade-separated interchange to replace the existing Plough-Airways / Winchester at-grade intersection while maintaining direct connectors between Plough Boulevard and the Memphis Shelby County International Airport. SSR is responsible for full design, including three bridges, on the project.

INFRASTRUCTURE

Vast and complex networks of underground and surface systems are required to sustain the infrastructure people use every day. Establishing and maintaining these networks can be a challenge. At SSR, we understand the intricacies of the components in water, sewer, storm water, electrical, gas, roadway, and mass transit systems.





ALCOA OVERLOOK RESERVOIRS

ALCOA, TN

This project involved design of two 6.0 MG (12.0 MG total) water storage tanks to replace two outdated and undersized tank facilities in the City of Alcoa water system. The study phase included field data collection, soils testing, surveying, modeling, and site analysis. Welded steel, pre-stressed concrete, and repair/replace options were compared for the tank design. In the final analyses of the first costs and life-cycle costs, it was verified that the pre-stressed concrete option was the most cost effective in both cases.



FRANKLIN WATER TREATMENT PLANT

FRANKLIN, TN

A local environmental advocacy organization had stalemated the needed improvements at this facility for over a decade. They vehemently opposed expansion of the facility due to concerns with the Harpeth River. SSR provided a Preliminary Engineering Report that convinced the Board of Mayor and Aldermen and the Tennessee Department of Environment and Conservation that not only should the recommended improvements be implemented, but also that Firm Capacity rating should be utilized for the facility. In practicality, by agreeing to this, the City will be able to expand the nominal capacity of the facility from 2.6 MGD to 4.0 MGD.



PEGEON FORGE WASTEWATER TREATMENT PLANT

PIGEON FORGE, TN

The City of Pigeon Forge desired a simple and cost effective disinfection system for their new wastewater treatment plant. Because of the highly variable flows and the fact that they also needed to provide a secondary disinfectant for their new reclaimed water system, both a UV disinfection system and an OSG hypochlorite system were deemed impractical and too expensive. Instead, SSR recommended a bulk hypochlorite system both for primary disinfection of the plant effluent and also secondary disinfection of the reclaimed water supply. The resulting system will be easier to operate and more cost effective.



CENTER POINT ROAD WATER MAIN

HENDERSONVILLE, TN

SSR provided start to finish engineering services for this 30-inch DIP water main in Hendersonville, TN. The length of the water main was 6,200 LF. The design of the line required a portion to be restrained joint construction. The water main was mostly installed using the open cut process in private easement along Center Point Road. Included in the design were three creek crossings and one bore crossing of Goshentown Road. The project also included new water services to be connected on the existing 16-inch DIP water line; including copper service line and meter assembly.



LENOX BAYOU DETENTION

MEMPHIS, TN

Thanks to the cooperation and innovation of both the City of Memphis Civil Design Staff and CBU representatives, the soccer field includes all of the existing amenities it previously offered and many improvements – such as an under-drain system, ADA accessible ramp, terraced spectator bluff, and improved paths with lighting. Creative new design materials and practices were implemented to make design requirements, such as retaining walls and erosion control measures, more aesthetically pleasing.



OLD CEDAR GROVE TANK

CROSS PLAINS, TN

Design and construction of a 750,000 gallon composite elevated composite water tank (150-foot tall) in Cross Plains, TN. The project included a control room, Hailo Service Lift, tank logo, 193 LF of 12-inch DIP water line, asphalt access road, and other appurtenances. SSR was also responsible for the coordination of the geotechnical investigation, survey work, and construction phase services.



SOUTHEAST INTERCEPTOR

FRANKLIN, TN

This project was designed to relieve extreme flow conditions on an existing 36-inch diameter concrete sewer that received flow from the major business and residential sections of central and eastern Franklin, TN. Deterioration of the concrete pipe as well as continuing development had required the existing interceptor to be replaced with the new pipeline, which also provided for additional capacity for projected development within the central, eastern and southern sections of the City. The new pipeline was installed from the Water Reclamation Facility through the City all the way to Interstate 65 on the eastern border of the City limits.



WATER RESOURCES RECOVERY FACILITY EXPANSION AND UPGRADE

MURFREESBORO, TN

Murfreesboro is the fastest growing city in the state of Tennessee and the exponential growth of the region has put a strain on the city's infrastructure. To accommodate this growth, the Murfreesboro Water Resource Recovery Facility underwent a multi-phase expansion and upgrade. The most recent part of the expansion, Phase 4D, included the addition of a third oxidation ditch for nitrification/denitrification and biological treatment, a new headworks building, two 145-foot diameter final clarifiers, five deep bed sand filters, ultraviolet disinfection and post-aeration upgrades.

EDUCATION

Campus facilities for higher education and K-12 institutions are regularly revitalized or replaced in order to improve the educational experience for students. SSR's experience includes design of educational facilities used for living, learning, recreating, and researching.





E. BRONSON INGRAM RESIDENTIAL COLLEGE

VANDERBILT UNIVERSITY
NASHVILLE, TN

E. Bronson Ingram College is located on the former site of Vanderbilt and Barnard halls and provides housing for 340 sophomores, juniors, and seniors. E. Bronson Ingram College offers a variety of spaces in which its residents can live, learn, collaborate and socialize. The 205,000 SF facility houses students, faculty, and graduate students. Residents have on-site access to a shared dining room, study lounges, social spaces and formal and informal outdoor green spaces. This 205,000 SF facility is part of a three phase \$600 million construction project.



JANET AYERS ACADEMIC CENTER

BELMONT UNIVERSITY
NASHVILLE, TN

The 186,000 SF Janet Ayers Academic Center sits above a five-level underground parking garage and represents Belmont University's largest building to date. This project is an excellent example of SSR's ability to successfully provide multiple services on a project (LEED Consulting, Energy Modeling, M&V, Commissioning), for a LEED Platinum® certified facility with an extremely tight project timeline for the project scope.



WAVERLY BELMONT ELEMENTARY SCHOOL

NASHVILLE, TN

This LEED-Schools project combined the renovation of a historic school with a significant addition and site changes. All disciplines within the project had to participate in LEED planning and coordination to ensure project success.

SSR provided LEED Consulting services, and consulted to the engineer of record on how to improve the energy model for the LEED application.



HUMAN AND AGRICULTURAL BIOSCIENCES BUILDING

VIRGINIA TECH
BLACKSBURG, VA

This state-of-the-art facility incorporates laboratory and support spaces for the University's biological systems engineering and food science and technology departments. It features open-plan laboratories, pilot plant research space, a sensory/flavor-testing suite, prep kitchens, group debriefing and discussion rooms, researcher offices, and work space for graduate students. SSR provided LEED® Enhanced Commissioning services for mechanical, electrical, and plumbing systems.

COMMERCIAL

The commercial market covers a broad array of facilities serving various market sectors including hospitality, multi-family housing, retail, and office buildings. Each of these sectors has its own set of unique design requirements.





TERRAZZO MIXED USE DEVELOPMENT

NASHVILLE, TN

The 14-story Terrazzo building features 117 residential units above 16,000 SF of retail and restaurant space. The facility also has 68,000 SF of office space and a 500-car parking garage. The building has been certified LEED Silver® by the USGBC, the first downtown Nashville high-rise to be certified.



2525 WEST END

NASHVILLE, TN

The 2525 West End building is a mixed-use complex at the corner of West End Avenue and Natchez Trace. The complex is comprised of 65,000 SF of upscale retail space and approximately 301,000 SF of office space. A parking deck with a 1,700-car capacity is attached to the rear side of the building. The project was completed in 2000 at a construction cost of \$55 million. SSR was responsible for mechanical, electrical, and plumbing design.



BALLET MEMPHIS

MEMPHIS, TN

SSR was responsible for civil and structural engineering on the new home to Ballet Memphis. The 80,000 SF facility features prominent structural elements, including a steel art wall that is reminiscent of the tulle in ballet costumes. The placement of the structure on the site and the design of the parking were imperative for several reasons. The existing site had an old retaining wall that had to be rebuilt to support the earthwork required to build the new structure. Maintaining a balance between adequate parking and creating a flow that allowed for convenient pick-up and drop-off for students attending classes were important design considerations in this urban location.



WELLMARK BLUE CROSS BLUE SHIELD

DES MOINES, IA

This \$150 million, 600,000 SF corporate headquarters for Wellmark Blue Cross Blue Shield of Iowa includes a 6,500 SF data center on site. SSR performed Enhanced Commissioning services after joining the project during Design Development Phase.

LABS & RESEARCH

Scientists collaborate on multidisciplinary research that has helped fuel the fields of nutrition, environment, medicine, technology, science, and engineering. As a result, it is important that spaces offer flexibility of use to accommodate the wide spectrum of tasks required by research teams. Whether providing creature comforts or biosafety integrity, SSR professionals apply proven engineering practices to sustainable facilities that create new opportunities for scientific discovery.





VANDERBILT INSTITUTE FOR SURGERY & ENGINEERING

NASHVILLE, TN

In renovating the space to prepare for VISE, SSR designed a chilled beam HVAC system; replaced AHUs, chilled water pumps, and exhaust fans; installed a new hot water conversion system and electrical panels; and relocated domestic water, waste, and vent risers.

The technology scope of work included structured cabling, network and telephone system hardware, public address/music system, intercom, security, surveillance, personnel and asset tracking, MATV/SATV, time clocks, and master clock.



MEMPHIS BIOWORKS VIVARIUM

MEMPHIS, TN

The first phase of the planned Memphis Bioworks Foundation is a 25,000 SF vivarium expandable to 50,000 SF in the basement of the future building. This facility will serve the future needs of the proposed four research tower in the master plan. The Vivarium is located under a “Green Roof” plaza deck which in future phases will be a second floor connection between the future research towers.



MARS PETCARE R&D CAMPUS

THOMPSON STATION, TN

SSR provided mechanical, plumbing, electrical, technology, and LEED® commissioning services for a new state-of-the-art research and development campus as part of a two phase design and construction project. The first phase is comprised of three buildings that provide animal testing, research, housing, and product development. The fourth building included office and customer interface spaces. Shared support services including central tele/data, kitchen, conference rooms, and MEP central distribution rooms were also included.



NEWLY WED FOODS R&D LAB

HORN LAKE, MS

SSR provided engineering design services for the renovation of Newly Wed Foods’ existing 5,000 SF Research and Development Lab. The project also included the design of a new 1,200 SF Sample Lab which was constructed in an existing dry storage warehouse.

INDUSTRIAL

Whether through new construction or the modernizing of existing industrial spaces, businesses need facilities that are operationally flexible, efficient, and cost effective. SSR provides specialty engineering design and consulting services to industries requiring anything from pipe supports to new process units. Our design and consulting experience includes projects for complex manufacturing plants, distribution centers, food processing plants, steel makers, petrochemical plants, chemical plants, pharmaceutical plants, printers, and automotive parts manufacturers.





WINSTON PLYWOOD & VENEER

LOUISVILLE, MS

In April 2014, an F-4 tornado struck the City of Louisville. Just 30 days prior, New Wood Resources had purchased the mill to establish a new business called Winston Plywood & Veneer. The mill was in the direct path of the tornado and completely destroyed. Today, the mill is the newest, most technologically-advanced plywood mill in North America, featuring state-of-the-art machine control centers and integrated computer controls throughout the facility. It also includes an integrated log processing, peeling, and drying operation. SSR's unique design services included high pressure steam, compressed air, material conveying high pressure duct, and dust collection design.



EDIBLE OIL FILTRATION SYSTEM

MEMPHIS, TN

The bleaching process is the first of several oil refining steps that cooking oils go through prior to landing on grocery store shelves. After the bleaching process, oils are then deodorized, sterilized, and packaged for shipping. An analysis of this confidential client's situation revealed that the bleaching and filtration system had not been updated since 1976 and the low throughput rate was bottlenecking the remaining refinery steps. The project included the design of a new production building to house the new bleaching, filtration, and processing equipment.



GLAXOSMITHKLINE COOL ORANGE

MEMPHIS, TN

SSR provided engineering for a new pharmaceutical product for GSK. The new process was installed in an existing area of the plant. Part of that engineering included a new rooftop air handling unit to maintain specific room temperatures ($70^{\circ} \pm 2^{\circ}$) and humidity levels (35% RH or less) design setpoints. The overall design met with the energy efficiency criteria requirements of the client. Control algorithms, sequence of control and P&ID's were incorporated into the design of the project to establish the efficient and effective operation of the equipment and overall HVAC system.



KOHLER MANUFACTURING PLANT

MINAS GERAIS, BRAZIL

The project consisted of the expansion of a manufacturing complex located in Minas Gerais, Brazil. The project encompassed the conversion of 100,000 SF of warehouse space to manufacturing bays; the construction of 200,000 SF mixed-use space to serve raw material handling, manufacturing and finish product warehousing with 10 truck loading docks; new 10,000 SF office building; coordination of process equipment installation; new utilities; and site development including 35,000 cubic yards of grading, stormwater management system, internal roads, truck scales and parking, site lighting, security, and landscaping.

FEDERAL

Federal government facilities include a range of building types and infrastructure systems. At SSR, we are able to provide the full range of design, commissioning, and sustainability consulting services needed for this specialized field. Our experience spans across hospitals, housing, offices, prisons, laboratories, infrastructure, and education facilities for a variety of federal agencies across the United States and around the world.





STANLEY J. ROSKOWSKI U.S. COURTHOUSE

ROCKFORD, IL

SSR provided commissioning and LEED facilitation services for the 197,000 SF U.S. Courthouse. The six-story facility is located on six acres of green space in downtown Rockford, IL. The General Services Administration requires projects to be LEED® certified, SSR was brought on the project team as the LEED facilitator. In addition to LEED facilitation, we provided fundamental and enhanced commissioning services for this LEED NC Gold® certified project.



GREENSIDE AIRCRAFT HANGAR

QUANTICO, VA

This 63,880 SF design-build hangar facility houses the Presidential Helicopter Squadron HMX-1. The project provided clear-span hangar space, adjacent multi-story maintenance shops, as well as, administrative, medical, dental, storage, and support areas. The project also included 540,000 SF of new airfield taxiway and apron pavement. The parking apron accommodates adequate space for eight HMX-1 aircraft and two transient aircraft. SSR provided total facility commissioning services to include LEED EA p1 and EAc3, enhanced commissioning services.



FORT KNOX MEDICAL CLINIC

FORT KNOX, KY

The Fort Knox Medical Clinic will replace the functions of the current, aging Ireland Army Community Hospital, one of the oldest hospitals serving the armed forces. Built in the mid-1950s, the current facility serves more than 40,000 service members, army civilians, and military families.

This complex design-build project included the release of three design packages at overlapping intervals, requiring an extensive level of coordination. The project is designed to meet LEED Silver® certification standards.



NATIONAL SECURITY CAMPUS

KANSAS CITY, MO

The new National Nuclear Security Administration (NNSA) National Security Campus in Kansas City, MO protects some of the nation's premier security assets. The facility's nearly 2,500 workers manufacture non-nuclear mechanical, electronic, and engineered materials for national defense systems. The project includes nearly 1.5 million SF of manufacturing spaces, laboratories, office space, and warehouses. This project is LEED Gold® certified.

CORRECTIONS

SSR has designed more than 10,000 cells in private, county, state, and federal correctional facilities across the country. We understand security, safety, and operational issues associated with correctional facilities. The environments we design for managing the occupants in detention and correctional facilities play an important role in the penal and rehabilitation processes.





TROUSDALE TURNER CORRECTIONAL CENTER

HARTSVILLE, TN

SSR provided design and commissioning services for the 438,596 SF medium-security private prison. The complex has housing units, educational and vocational facilities, six outdoor recreational facilities, two gymnasiums, a kitchen and dining hall, a commissary, a chapel, a maintenance and visitation building, and two inmate support buildings.



BLACKWATER RIVER CORRECTIONAL FACILITY

MILTON, FL

The Blackwater River Correctional Facility is a 378,796 SF facility that provides secure care, custody, and control for medium and close custody male inmates. The 2,000-bed facility was designed and constructed to achieve LEED Gold® certification. SSR worked with the architect and owner early in the project to provide information on lighting, hot/chilled water distribution loop systems for energy efficiency, low flow plumbing fixtures, mechanical system designs that met efficiency standards, energy modeling, and a water reclamation system for laundry.



WEST TENNESSEE STATE PENITENTIARY

HENNING, TN

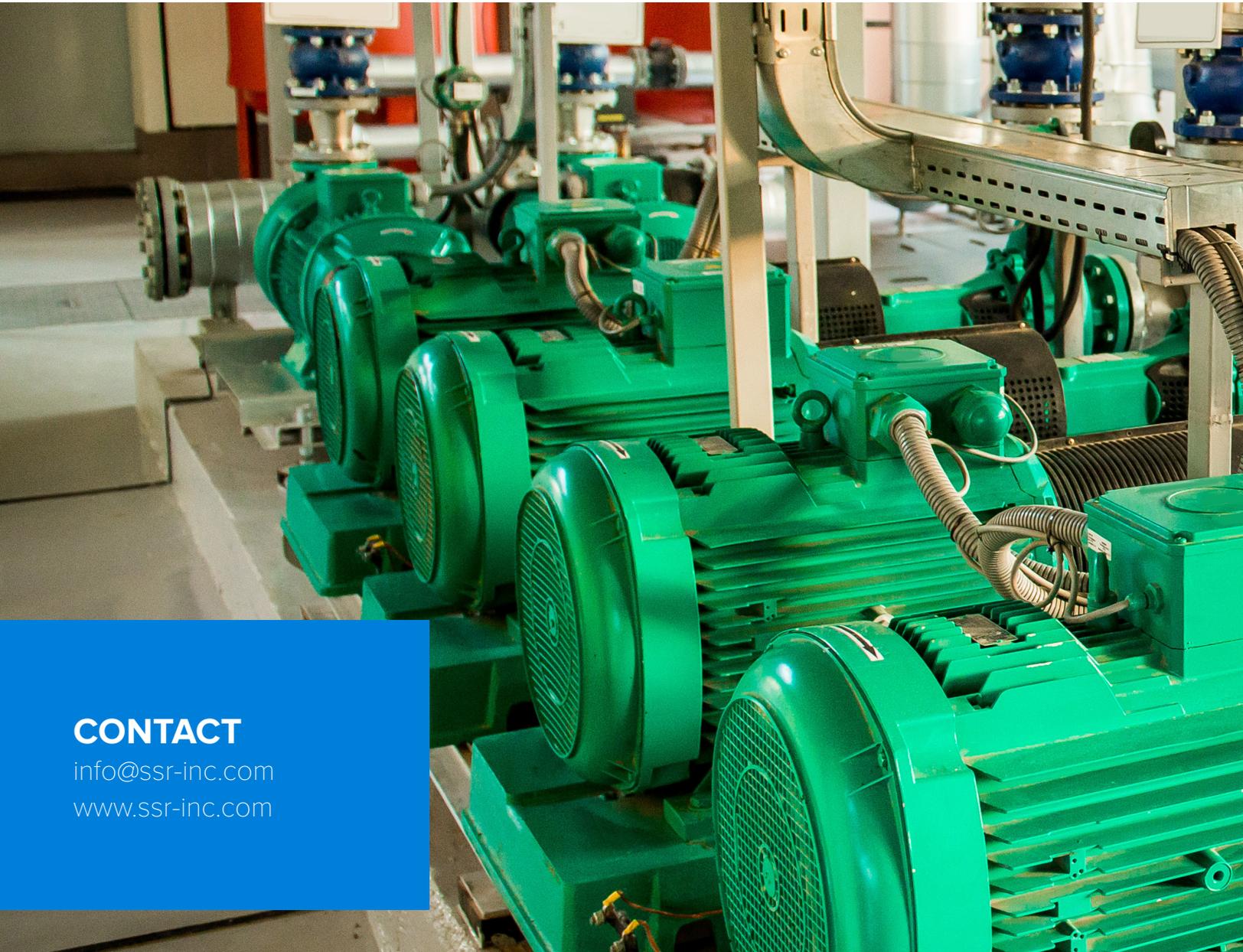
This unique project included energy upgrades and improvements including the installation of a new hot water distribution loop and the replacement of the existing heat exchangers, pumps and cooling towers. The design routes the piping above ground, utilizing pre-insulated pipes, to distribute hot water to each building.



WHITE COUNTY LAW ENFORCEMENT CENTER

SEARCY, AR

A full-service law enforcement facility, this 124,000 SF structure houses the sheriff's department, circuit and district courts, as well as clerks offices. In addition the facility also has the ability to house a limited amount of inmates and includes full service kitchen and laundry areas.



CONTACT

info@ssr-inc.com

www.ssr-inc.com