



*KSA's water and wastewater portfolio is extensive and includes the following capabilities:*

**TREATMENT PROCESSES  
(WATER)**

- Microfiltration
- Reverse Osmosis
- Disinfection
- Ozone
- Chlorination Options
- Ultrafiltration and Nanofiltration

**TREATMENT PLANTS  
(WATER AND WASTEWATER)**

- New
- Rehabilitation
- Expansion

**CONVEYANCE AND PUMPING  
(WATER AND WASTEWATER)**

- Pumping Stations
- Lift Stations
- Water Storage Tanks
- Trenchless Technology

**TREATMENT PROCESSES  
(WASTEWATER)**

- Conventional Activated Sludge
- Sequencing Batch Reactors
- Fine Screen Technologies
- Solids Handling and Disposal
- Disinfection  
(Chlorine Dioxide and Ultraviolet)
- Reclamation and Reuse
- MBR

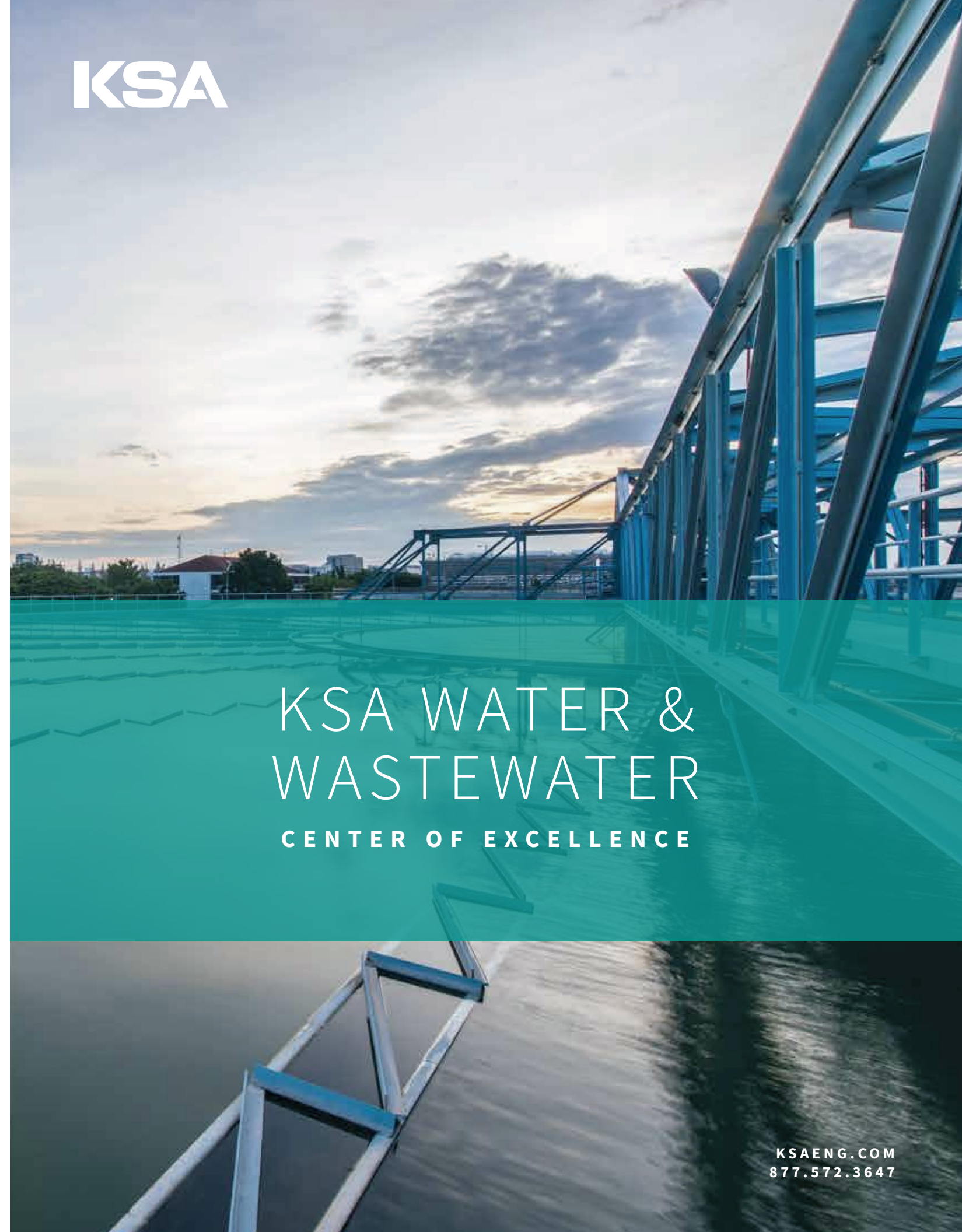
**COLLECTION SYSTEMS  
(WASTEWATER)**

- Pressure Sewer Systems
- Gravity Sewer Systems

**CLIENT LIST**

*Our water and wastewater planning and design is best illustrated by the following select client list. Completed projects include new and retrofit plants as well as associated infrastructure including lift and pumping stations and transmission.*

- |                       |                            |
|-----------------------|----------------------------|
| City of Bonham        | City of Mount Pleasant     |
| City of Carthage      | City of Mount Vernon       |
| City of Grand Prairie | City of Pecos              |
| City of Hico          | City of Rockdale           |
| City of Hondo         | City of Savoy              |
| City of Honey Grove   | City of Selma              |
| City of Ladonia       | City of Tyler              |
| City of Lindsay       | Dodd City                  |
| City of Longview      | East Cedar Creek FWSD      |
| City of Marlin        | Southern Utilities Company |
| City of Marshall      | Texas Parks & Wildlife     |
| City of Mineola       |                            |
| City of Quitman       |                            |



**KSA WATER &  
WASTEWATER  
CENTER OF EXCELLENCE**

**Since its inception in 1978, KSA has specialized in providing water and wastewater systems design for small to medium-sized municipalities and water districts. We have intentionally focused on this segment of the market due to their unique needs and requirements.**

**DESIGN PHILOSOPHY AND APPROACH**

Our market focus starts with our engineering design philosophy—a philosophy that has evolved over the years based on the unique needs of our clients. We have found that towns and cities in the small to medium-size range are most interested in cost effective solutions that are both reliable and easy to maintain. Very few of these entities have the luxury of unlimited budgets. Based on these unique requirements, we have become known for our expertise in the application of the most appropriate technologies to strike a reasonable balance between initial capital and operational costs; and effective systems that are easy to maintain and operate without adding unnecessary over complication. Whenever possible, our first considerations leans toward the utilization of existing facilities to accomplish the same results as if they were new.



*Adequate water supply and wastewater treatment capacity are always critical components of a city's ability to grow.*



*The way a community handles its water resources is directly proportionate to its health, vitality and expansion.*

**PROJECT MANAGEMENT AND DELIVERY**

KSA's water and wastewater project delivery process is built around a strong team of local project managers. We have intentionally created this organization to provide a team that combines local knowledge with specialized experience. This means that your project will be managed by a project manager that either resides in your vicinity or is in close proximity to you. This is your assurance of a team capable of providing the most technically sound and cost-effective design in a manner most responsive to your needs.

Your project manager will utilize the specialized expertise within the Water and Wastewater Center of Excellence to guide the overall project approach and provide a highly specialized and unique design. Collaboratively, the team will work together to determine the tasks, team and technologies necessary to optimize the design and meet or exceed the goals established for the project.