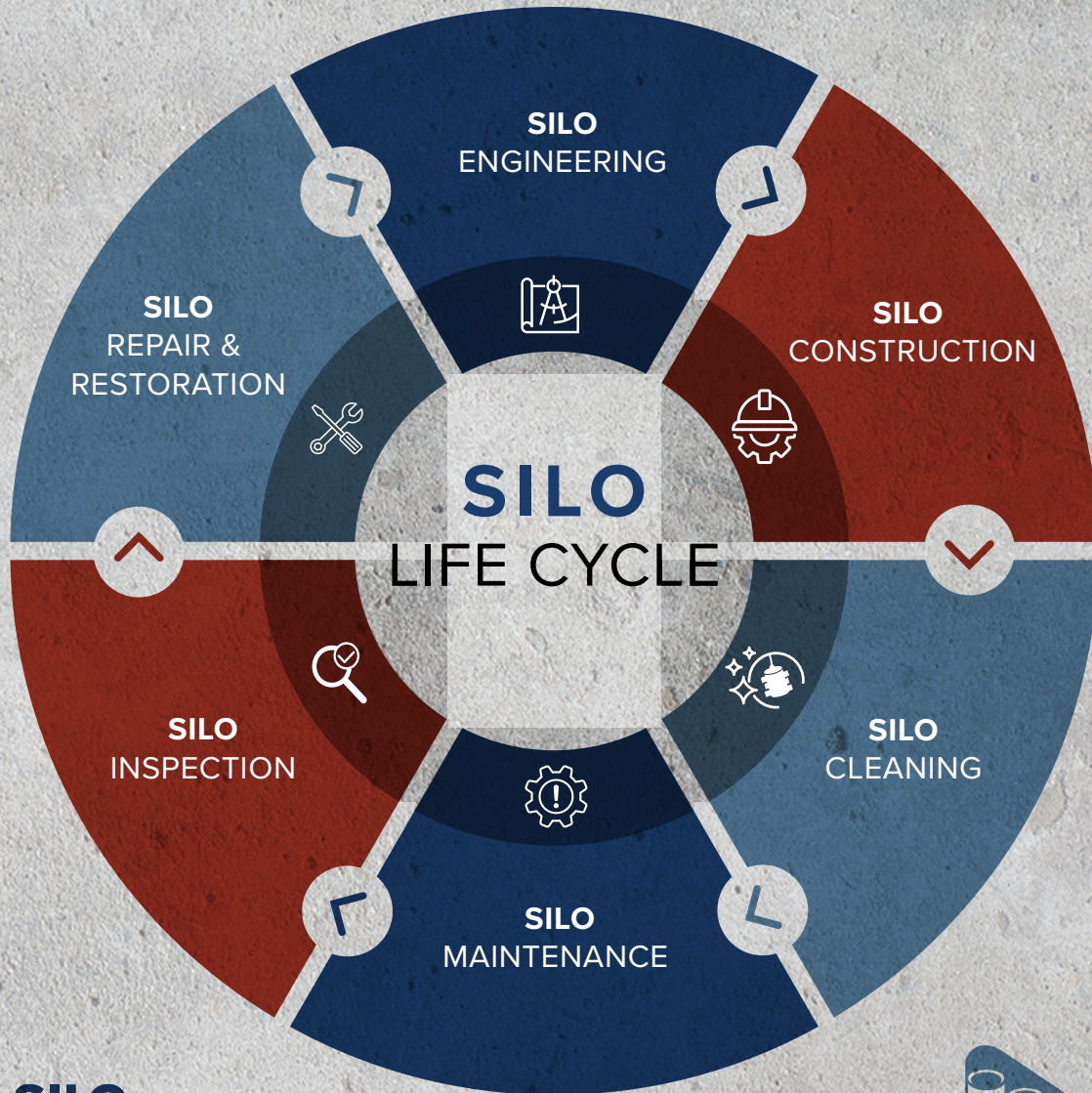
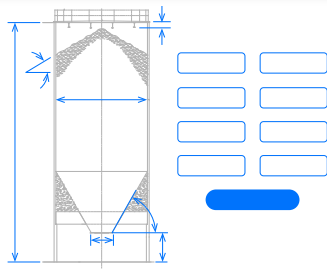


SILO ONE CALL

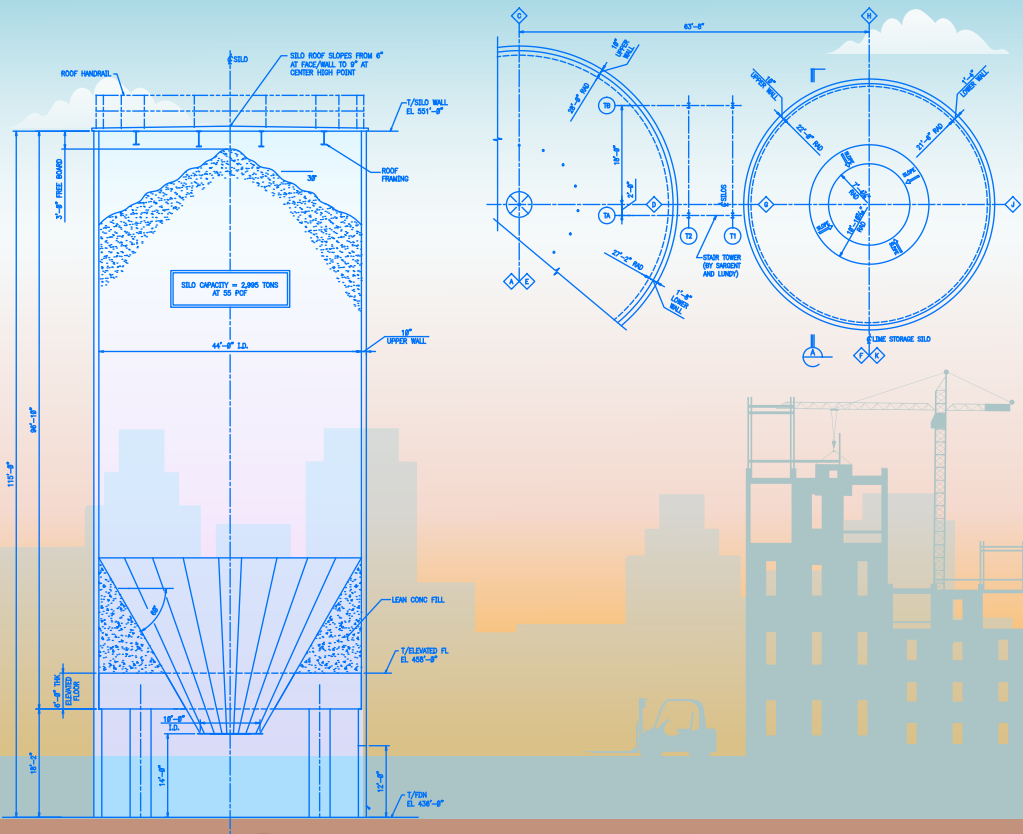
800-633-9969



STORAGE SIZING CALCULATOR



SILO EXPERT
CONSULTATION



1. SILO ENGINEERING

A concrete silo's life starts with its conception during the [engineering](#) and design phase. To comply with the American Concrete Institute (ACI) CODE 313-16: Design for [Concrete Silos](#) and [Stacking Tubes](#) for Storing Granular Materials a silo engineer is required.

Silo engineers consider more than just the silo size. They also consider the stored material and its [flow characteristics](#), necessary [silo capacity](#), your location's seismic probability, the silo construction method, and more. Relying on standard silo designs, rather than a silo engineer, risks shortening the useful lifespan of your silos. We can also assist with silo conversions for silos that have reached their end of life in a certain industry. Depending on the current silo design and desired stored material, we recommend remediations that allow you to repurpose an existing silo for use in the bulk storage of a different material.

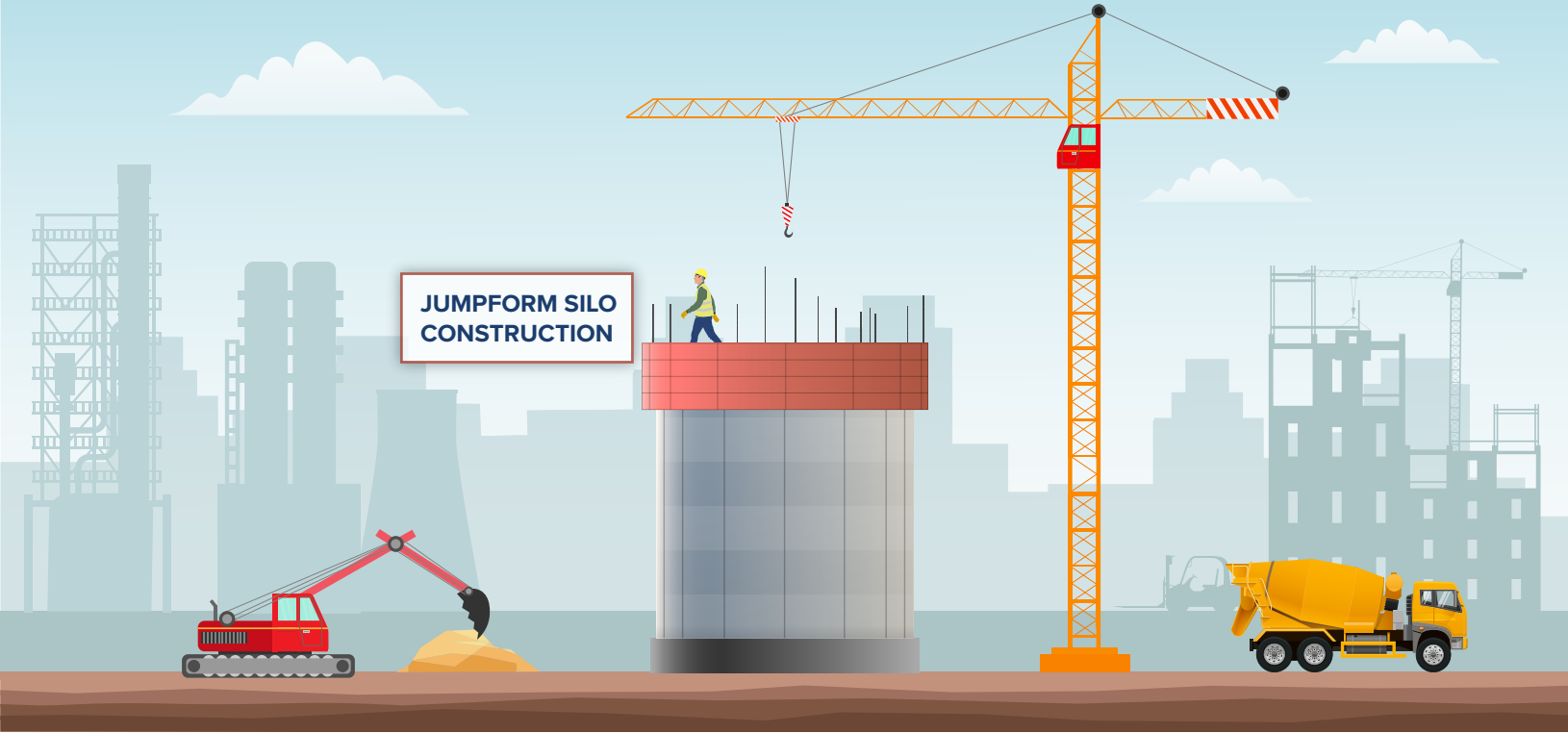
SLIPFORM SILOS

STAVE SILOS

FLAT BOTTOM

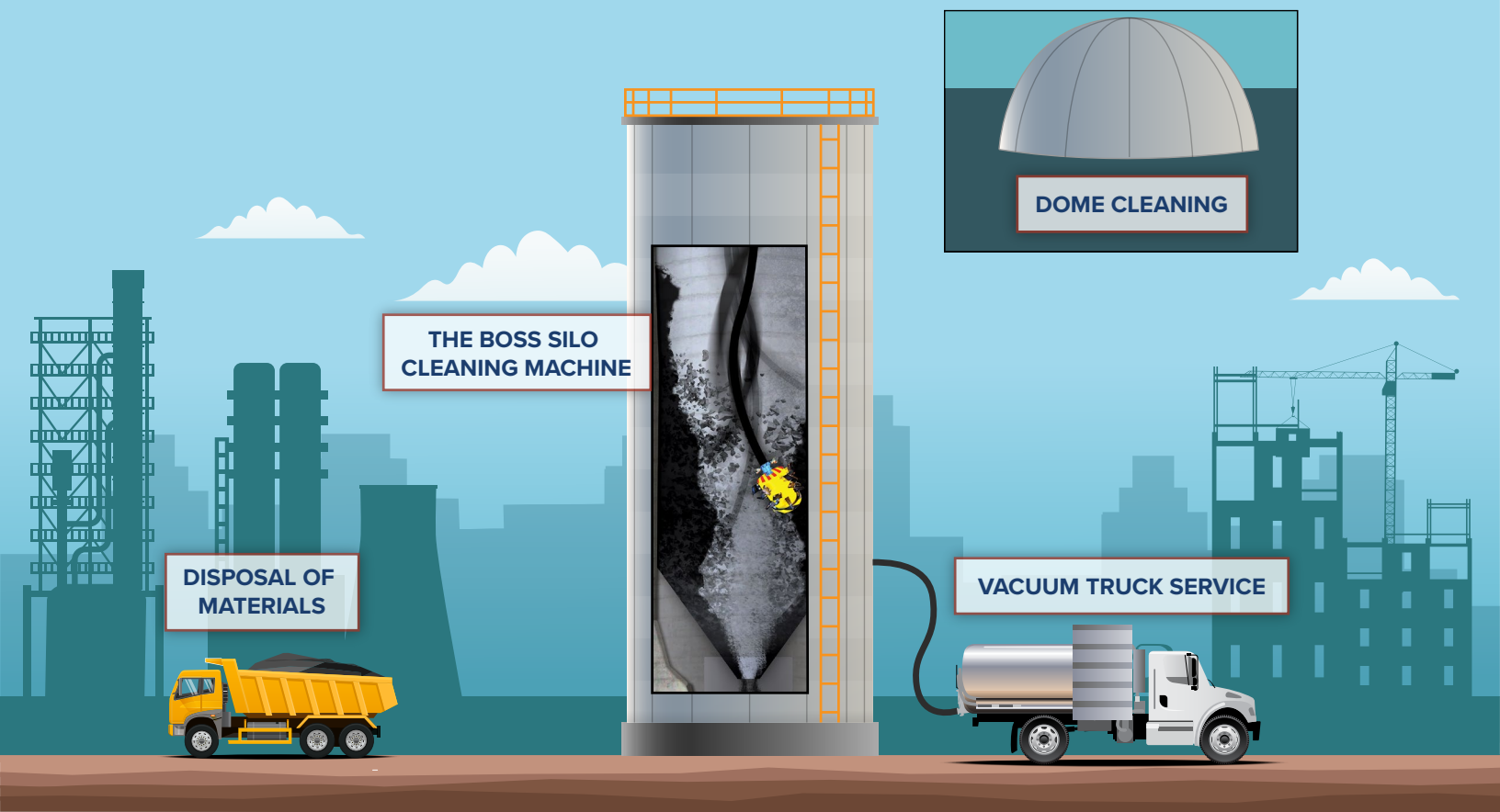
CONE BOTTOM

JUMPFORM SILO
CONSTRUCTION



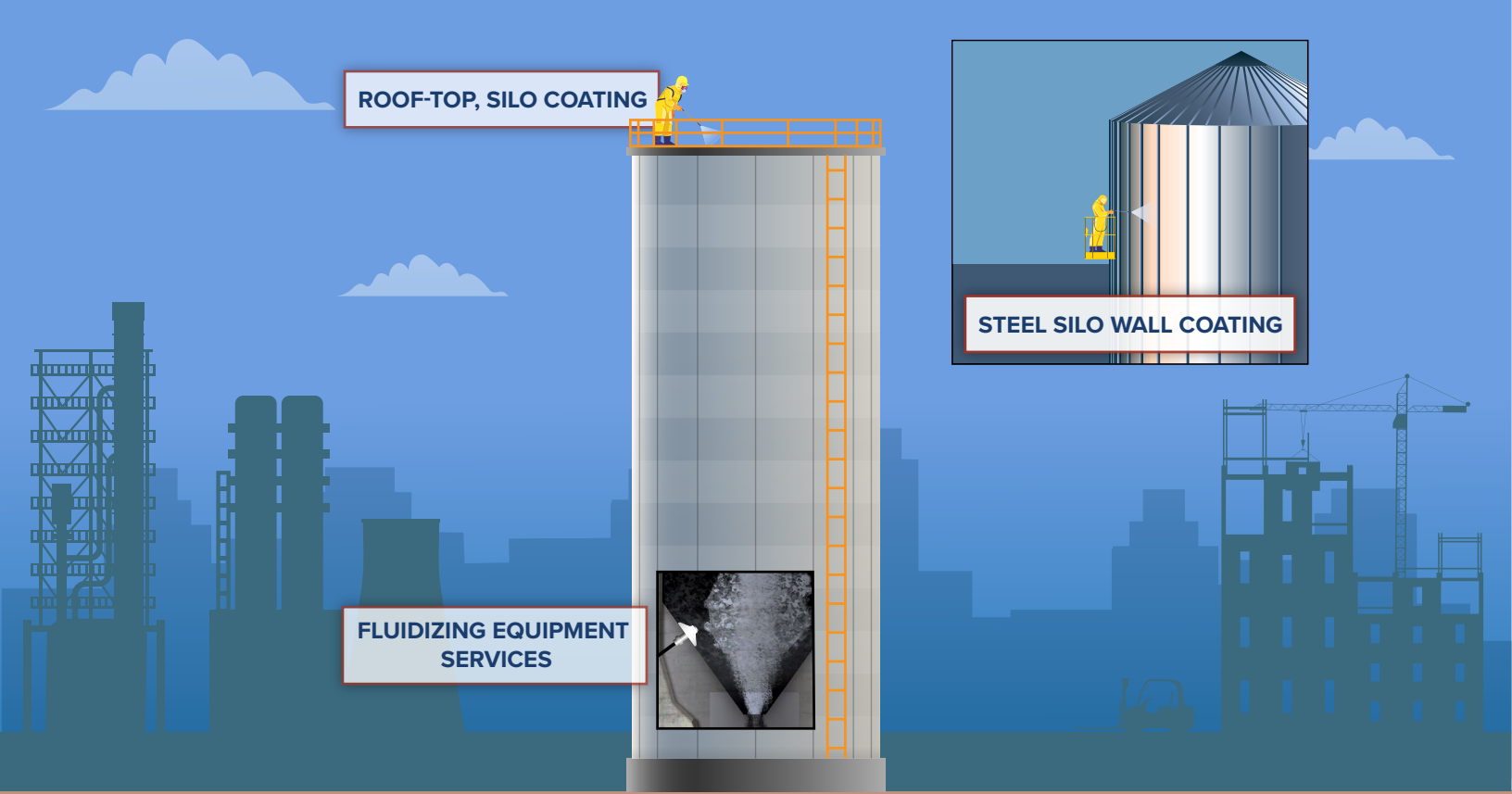
2. SILO CONSTRUCTION

When it's time to begin your silo construction project, it's crucial to work with the silo engineering company that provided the design to ensure it is carried out as planned. For concrete silos, construction methods typically include [Jumpform](#), [Slipform](#), and [stave](#) techniques. Jumpform methods are ideal for silos from 10' to 65' in diameter, use an incremental construction schedule, and should comply with OSHA 125' scaffolding requirements. Slipform methods are best for construction projects over 65' in diameter and use a continuous pour for the concrete walls. Stave silos are constructed using precast, interlocking concrete blocks, staves that are reinforced with exterior galvanized steel hoops. For improved durability, look for staves that are at least 5" thick.



3. SILO CLEANING

Regardless of the construction method, all silos require routine cleaning to ensure optimum storage capacity and longevity. Professional silo cleaning companies use either whip or pneumatic remote, dry-cleaning system to remove stubborn material buildup. However, whip systems tend to be the slowest and most expensive. Our enhanced pneumatic system uses a specialized clean-out head called The Boss™ which is designed to remove the most stubborn material buildup during the cleaning process. This system is the most powerful silo-cleaning method available in the United States. More cleaning power results in faster, more thorough silo cleaning.



ROOF-TOP, SILO COATING

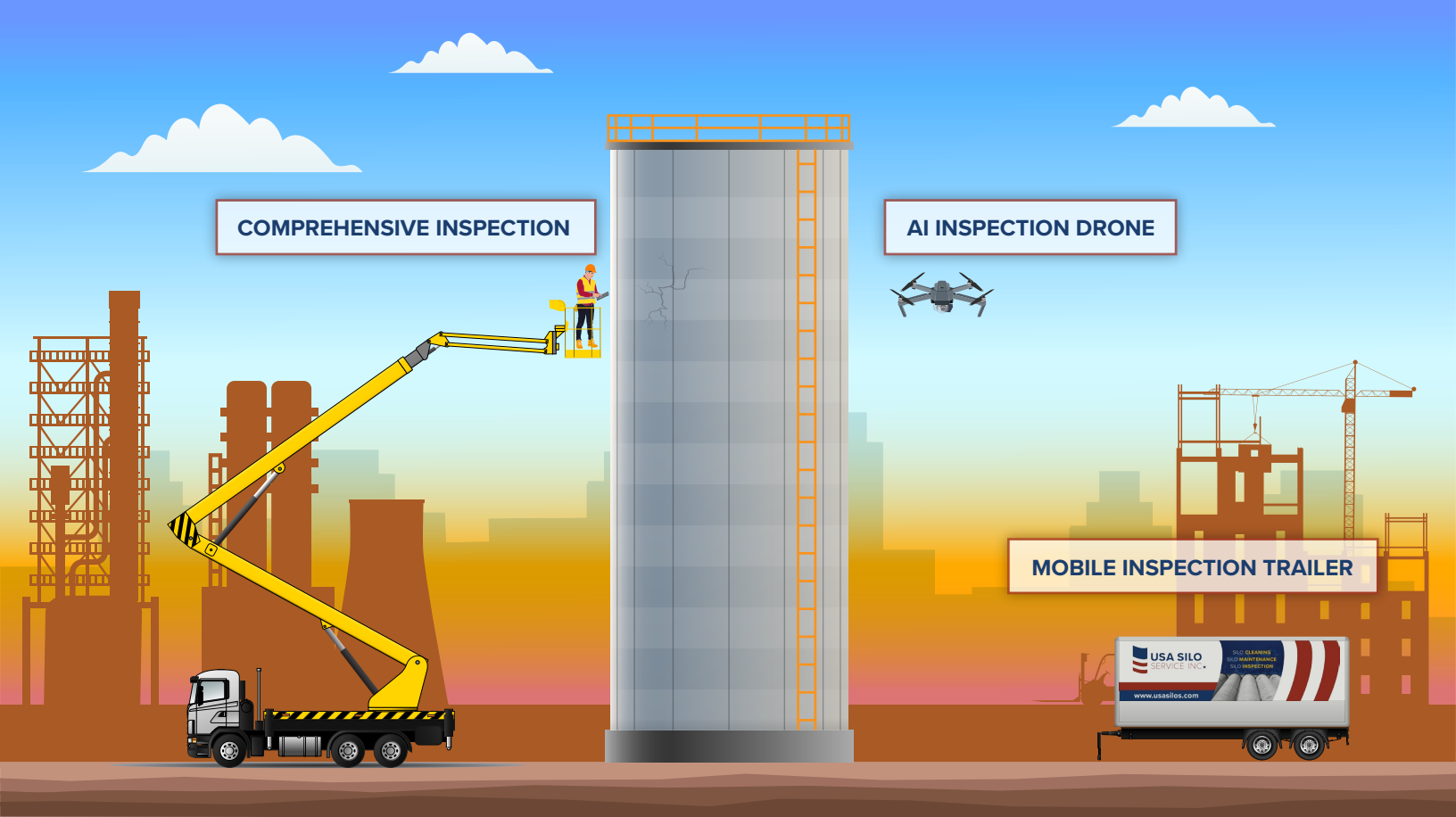
STEEL SILO WALL COATING

FLUIDIZING EQUIPMENT SERVICES



4. SILO MAINTENANCE

A silo maintenance program should include regular service to fluidizing equipment to help prevent blockages and asymmetric flow issues. To further extend silo and bin life, industrial coatings can be applied to exterior surfaces to provide waterproofing. The most durable coatings are designed to bond directly to the surface. Our unique rubberized silo and roof-top coating seals cracks, laps, fasteners and penetrations and withstands the expansion and contraction encountered at seams, joints and penetrations on roof surfaces. It is suitable for concrete and steel surfaces and provides excellent waterproofing and pooling water tolerance typical of a flat roof surface.



5. SILO INSPECTION

Prevent production delays, accidents, and potential structural issues through professional silo inspection annually or every [two- to five-years](#). Our exclusive [AI Silo Inspection service](#) delivers precise silo inspection analytics through automation and artificial intelligence (AI) that enable digital twin 3D modeling of silo structures. This technology lets you utilize AI-driven analytics to automate silo inspection management, track damage detection, and streamline budgeting and risk mitigation. Our years of experience combined with this cutting-edge technology allows faster, more accurate exterior silo inspections. Want to get the most for your money? Schedule your silo inspection at the same time as your silo cleaning.

EMERGENCY
SILO SERVICE
800-633-9969

ROOF BEAM AND
POCKET REPAIR

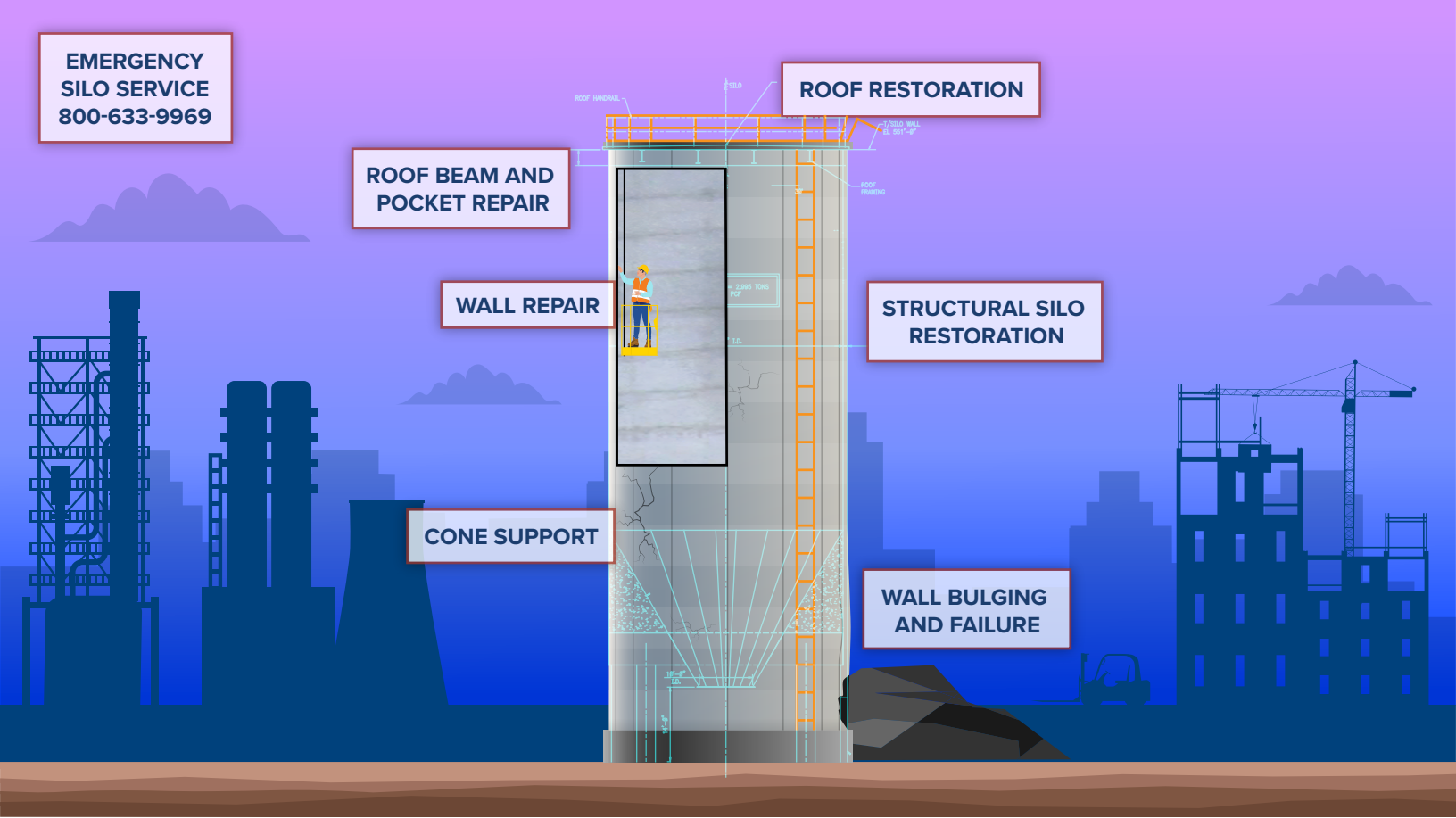
WALL REPAIR

CONE SUPPORT

ROOF RESTORATION

STRUCTURAL SILO
RESTORATION

WALL BULGING
AND FAILURE



6. SILO REPAIR & RESTORATION

While a silo inspection is a great start, it is only as good as your follow-through with recommended repairs, restoration, or other silo maintenance. The sooner you complete a silo restoration, the better, as minor silo repairs are always less expensive. To reduce costs further, complete your silo inspection and silo restoration or silo repair in one mobilization with the Marietta Silos, or USA Silo Service, [Mobile Inspection Trailer](#). Finishing small silo repairs at the same time as your silo inspection reduces additional unplanned downtime and additional trips necessary to get your silo back up and running.