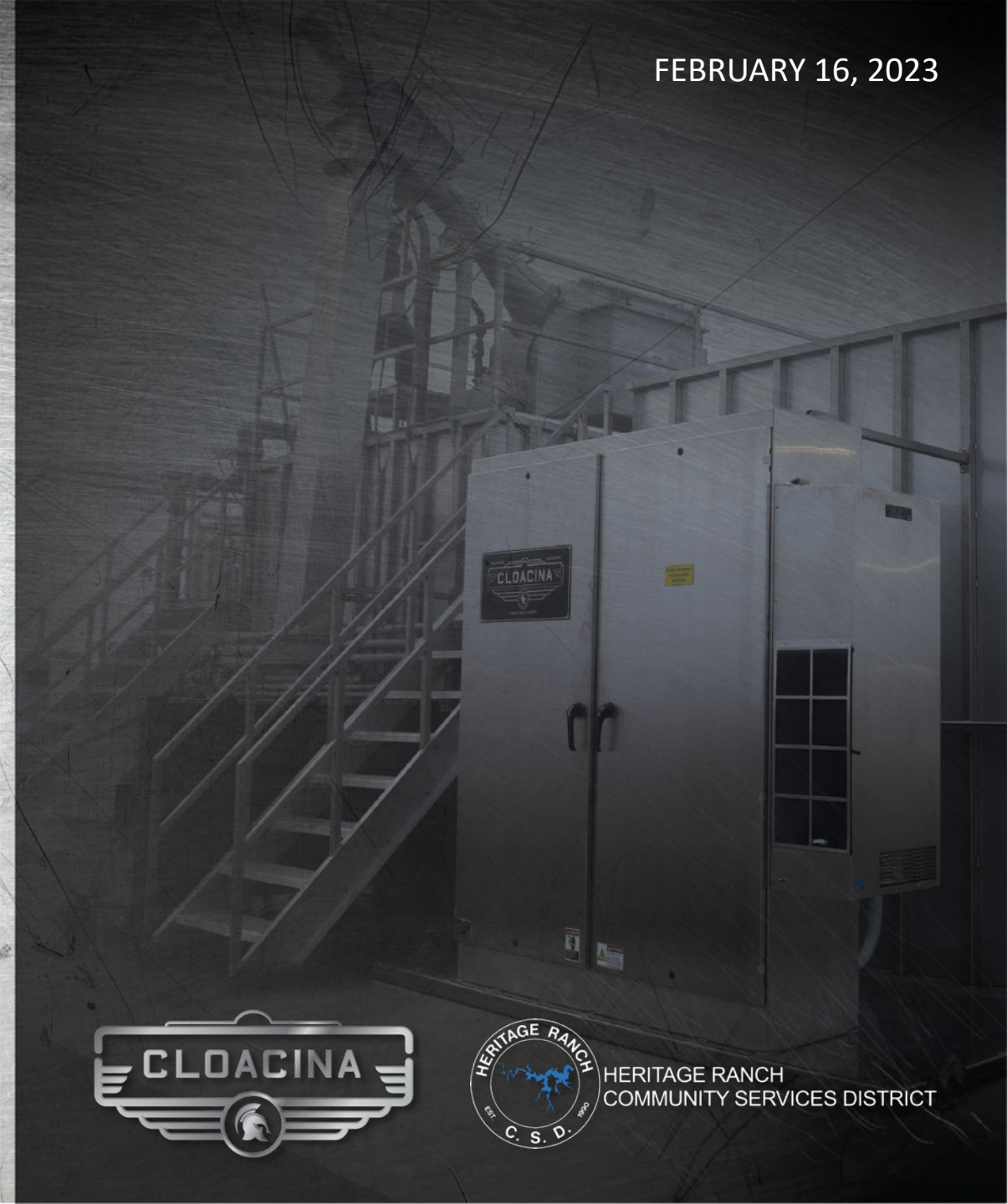


FEBRUARY 16, 2023

CLOACINA'S MEMPAC-M VS TRADITIONAL PLANTS



HERITAGE RANCH
COMMUNITY SERVICES DISTRICT



ABOUT OUR FAMILY OF COMPANIES

Our family has worked in the water and wastewater industry since 1974



FLUID RESOURCE MANAGEMENT

- Founded in 1999
- Operations, maintenance, mechanical, design/build and compliance firm
- We operate and maintain hundreds of systems across CA



CLOACINA

- Founded in 2007
- Roman Goddess of the Sewers
- Manufacturer of stainless steel package wastewater treatment plants
- We design, build and install dozens of membrane bioreactors each year



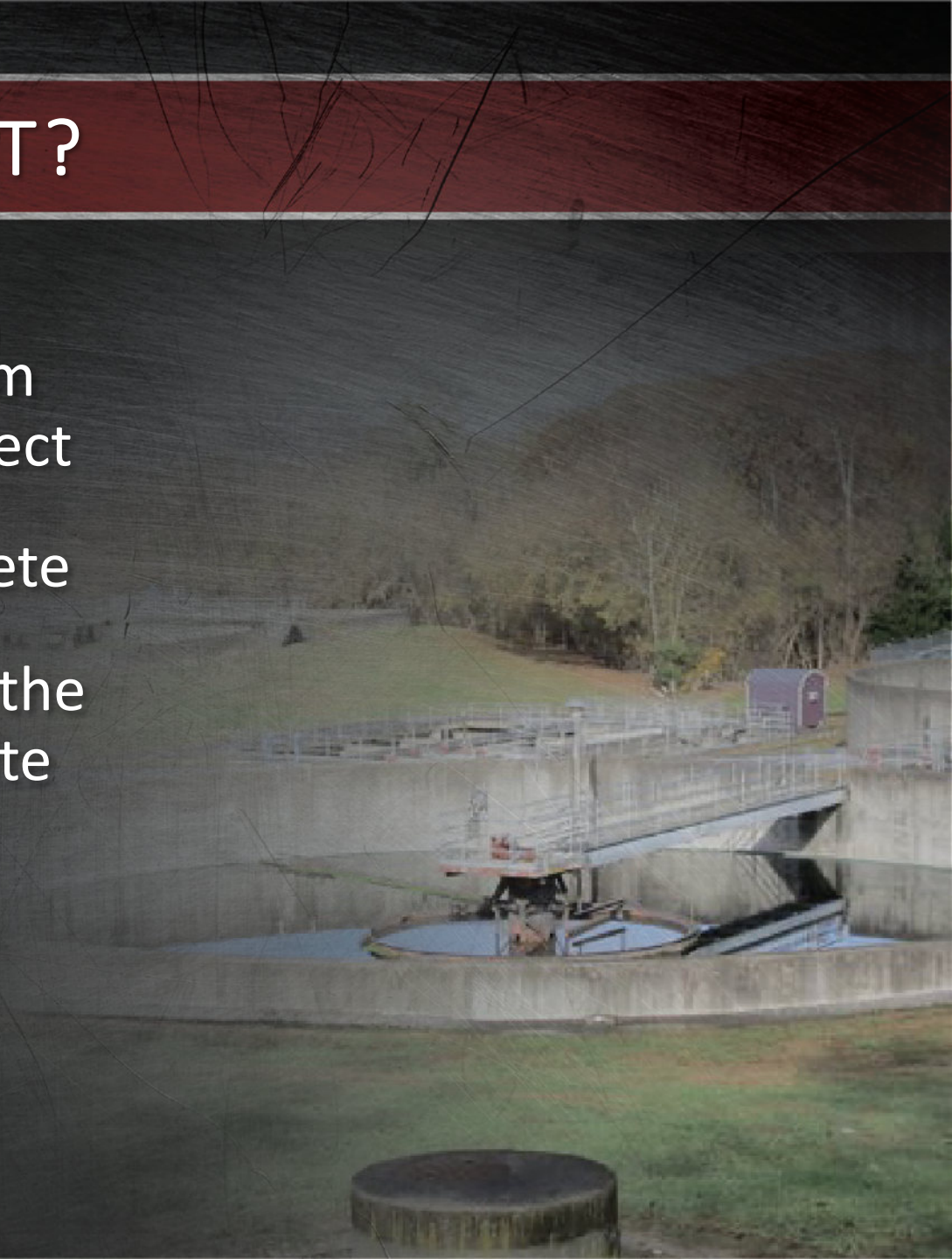
CLOACINA RENTALS AND LEASING

- Founded in 2022
- We manufacture membrane bioreactor rental plants

We have over 100 employees across our Family of Companies

WHAT IS A TRADITIONAL PLANT?

- A wastewater treatment plant that is custom engineered and designed for a specific project
- Typically constructed of cast-in-place concrete
- Ancillary equipment arrives separately and the plant is assembled and commissioned on-site

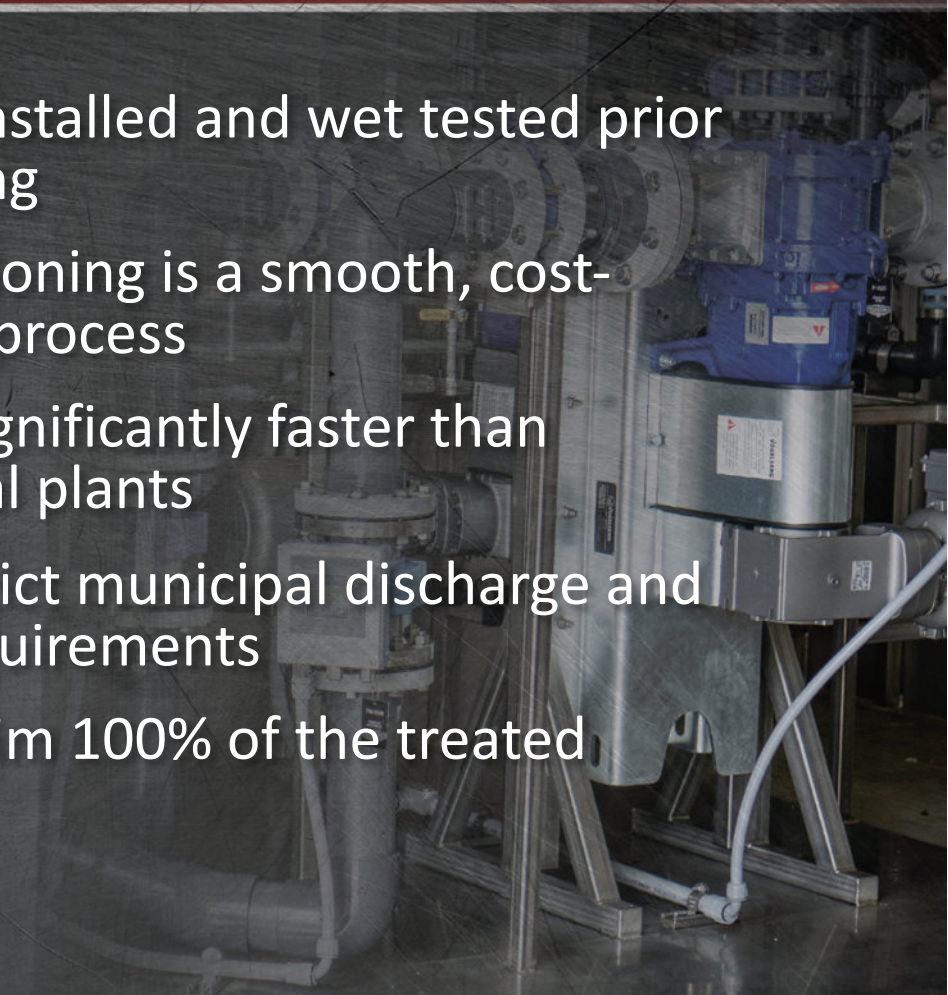


MOVING AWAY FROM TRADITIONAL PLANTS

- Engineering intensive
- Stagnant designs, lack of innovation and antiquated technology
- Not operations, maintenance and emergency response friendly
- Require protective coatings
 - Expensive to install and repair
 - Requires system bypassing and recoating every 8-15 years
- Degrade structurally over time
- Prone to leaks as a result of settling, degradation, spalling, earthquakes and pinholes
- Rigid, monolithic structures that cannot be easily modified or expanded
- Design defects cannot be vetted until after installation causing change orders and delays when an issue is found
- Requires a highly-experienced installation contractor which narrows the pool of qualified contractors and drives up the installation and project costs
- Project overages are common

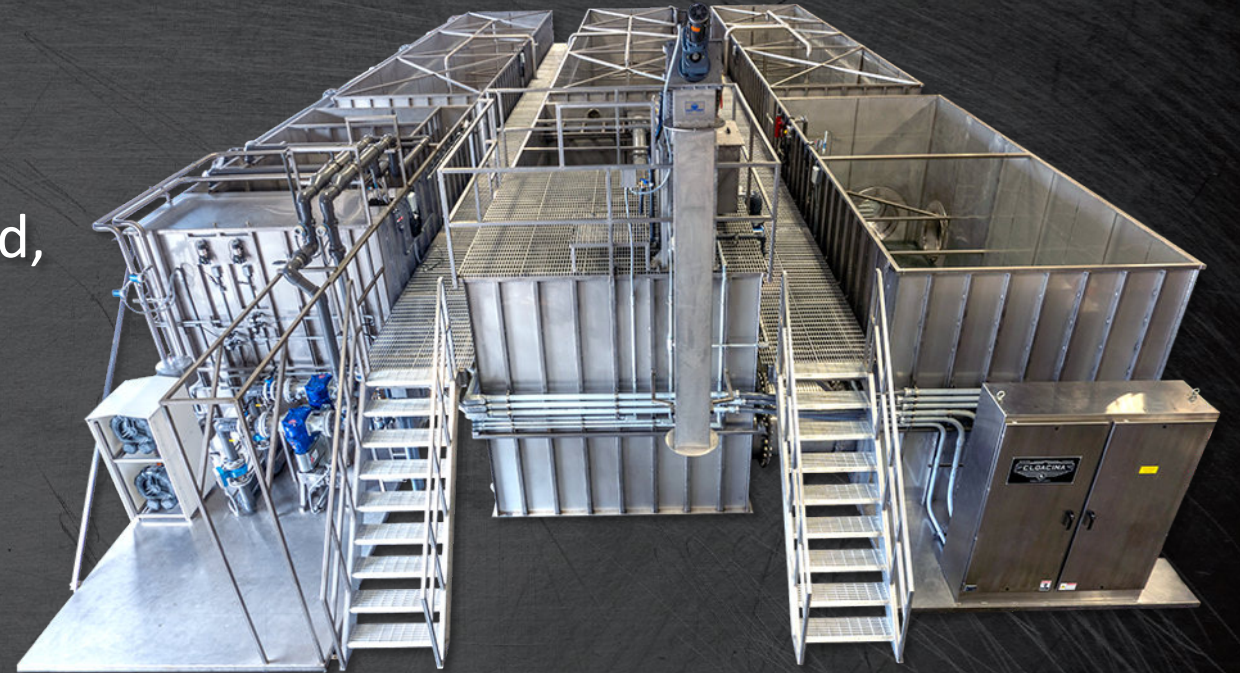
MEET CLOACINA'S MEMPAC-M (Municipal)

- Uses Metcalf and Eddy's design criteria
- Tankage and equipment skids are fabricated from stainless steel
- Does not require protective coatings
- Redundancy within the membrane system and ancillary equipment
- Advanced controls system
- We can provide influent screening, both fine and coarse, all the way through UV disinfection
- Factory-installed and wet tested prior to shipping
- Commissioning is a smooth, cost-effective process
- Installs significantly faster than traditional plants
- Meets strict municipal discharge and reuse requirements
- Can reclaim 100% of the treated effluent



OPERATIONS AND MAINTENANCE FRIENDLY FEATURES OF THE MEMPAC-M

- Designed by operators for operators
- Sensory equipment is mounted on Cloacina's Slide Rail System
- All equipment is visible and easily accessed, maintained and replaced
- More sensory equipment and monitoring points than any other manufacturer and traditional plants
- Self-cleaning probes
- Controls system is intuitive and programmed to make operational decisions



HOW THE MEMPAC-M COMPARES TO TRADITIONAL PLANTS



CONSTRUCTION
SPEED



PRICING



PROJECT
LIABILITY

MEMPAC-M VS TRADITIONAL PLANTS: CONSTRUCTION SPEED

CLOACINA PLANTS

- Average fabrication time is 12 months
- Full submittals on standard MEMPAC-M models available in days to weeks
- Project-specific customization is rapid with our direct connections to vendors that understand our designs
- The scope of offerings and price is defined up-front which allows for faster:
 - Preliminary Engineering Reports (PERs)
 - Conceptual level site and process plan sets
 - Firm budgets
- Cloacina plants can be procured concurrently with site construction plans

TRADITIONAL PLANTS

- Average construction time is 2-5 years
- Have to wait until plans are 100% complete to start on-site work
- Contractor determines the rate at which the plant is built

MEMPAC-M VS TRADITIONAL PLANTS

PRICING: ENGINEERING COST SAVINGS

CLOACINA

ENGINEERING COST SAVINGS

- Cloacina provided-equipment typically includes the following:
 - Process Flow Diagrams (PFD)
 - Piping and Instrumentation Diagrams (P&IDs)
 - Hydraulic elevations
 - Controls narratives
 - Tank design
 - Process modeling
 - Ancillary equipment selection and vetting
 - Specifications packages
 - Warranty negotiations
- Requested changes to equipment can be defined and executed without significant engineering costs

TRADITIONAL PLANT

- Always more expensive than a pre-fabricated plant
- Significantly higher engineering and contractor costs
- Traditional plant pricing is ambiguous and unknown until after 100% of plans are complete and the bids come back. This often results in multiple change orders.
- Expensive to provide for future expansion

MEMPAC-M VS TRADITIONAL PLANTS

PRICING: CONTRACTOR AND EXPANSION COST SAVINGS

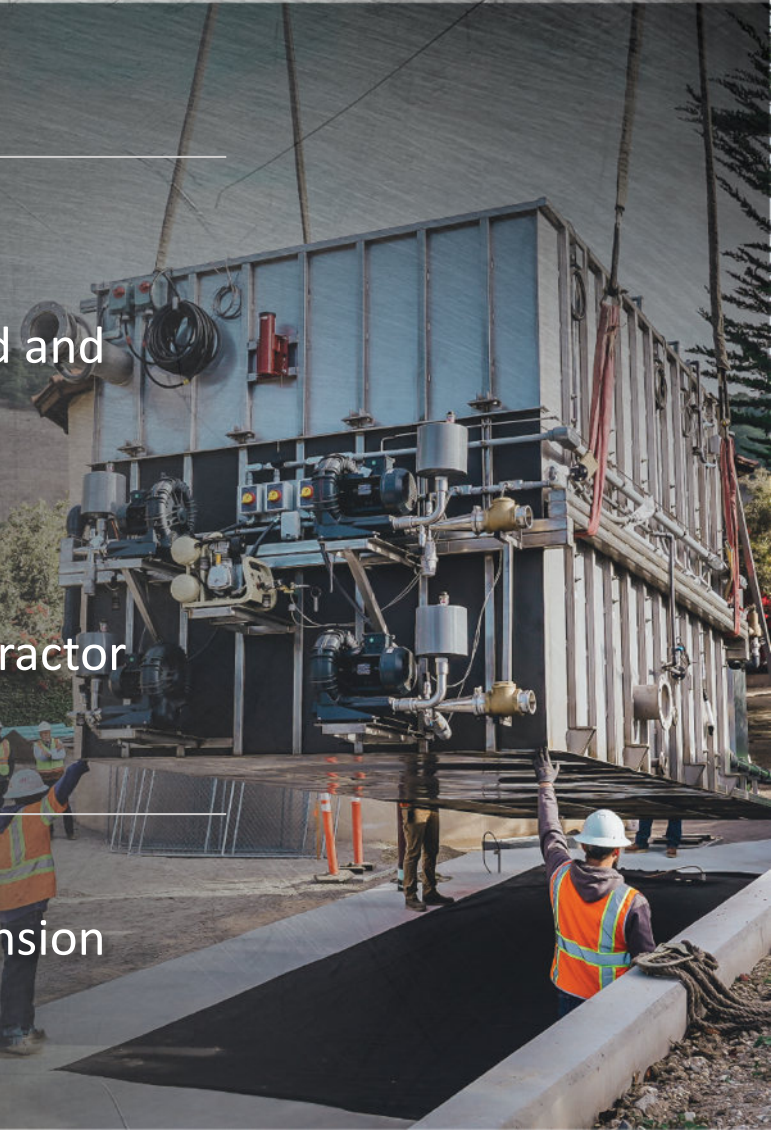
CLOACINA

CONTRACTOR COST SAVINGS:

- Our plants arrive on-site as complete, factory-assembled and tested systems not individual pieces of equipment that need to be assembled and tested on-site
- Less pricing volatility, scope gap and change orders
- Project contingencies can be reduced
- Project can be performed by a small to medium sized, often local contractor instead of a large firm

FUTURE EXPANSION COST SAVINGS:

- Cloacina plants are modular and can easily accommodate future expansion
- Meets today's fiscal needs and tomorrow's growth potential



MEMPAC-M VS TRADITIONAL PLANTS: PROJECT LIABILITY

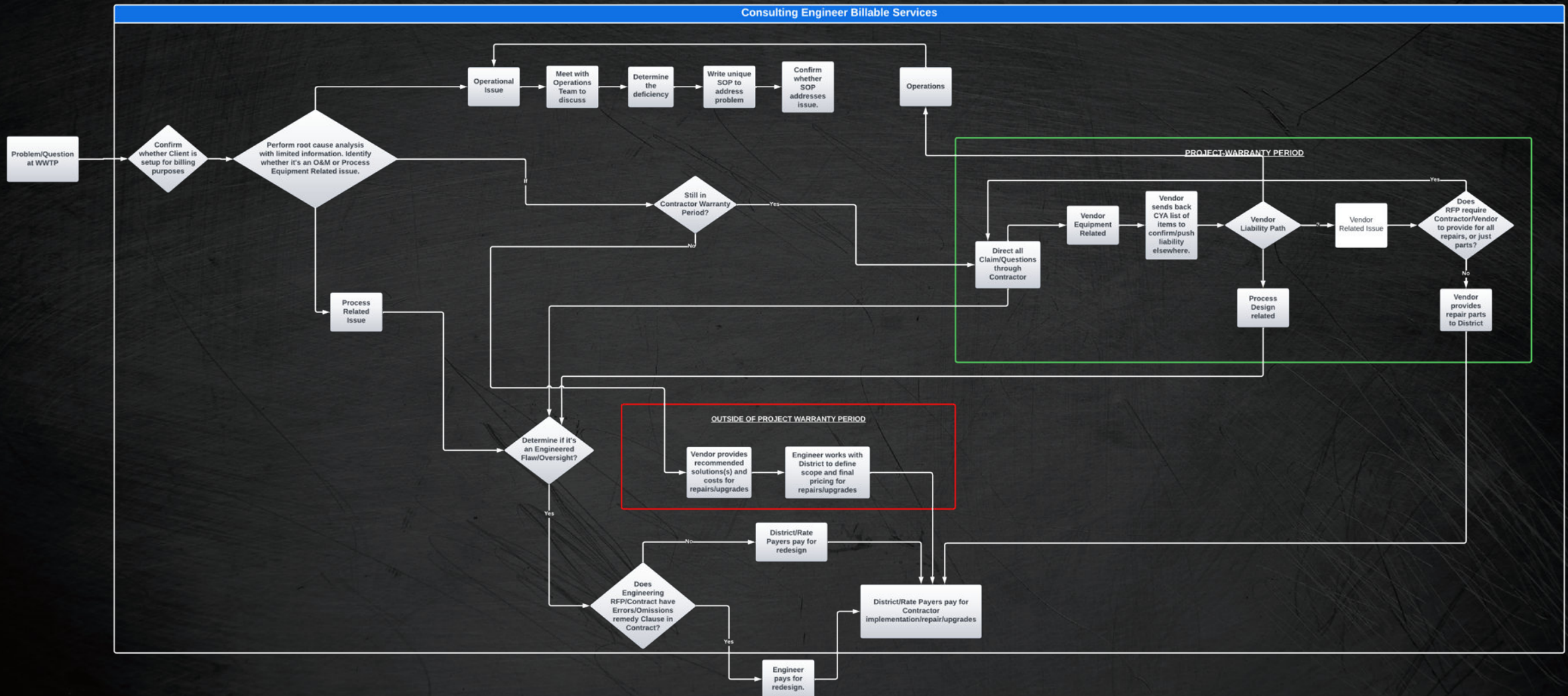
CLOACINA PLANTS

- Cloacina fabricates the majority of the process equipment and tests it in our factory as a complete system prior to shipping
- This allows non-conformities to be found and corrected in the factory prior to start-up
- Factory testing saves the Client, engineer and contractor time and money and reduces liability for the entire project
- Local, single point of contact, responsibility and liability for the Cloacina scope of work if there is an issue

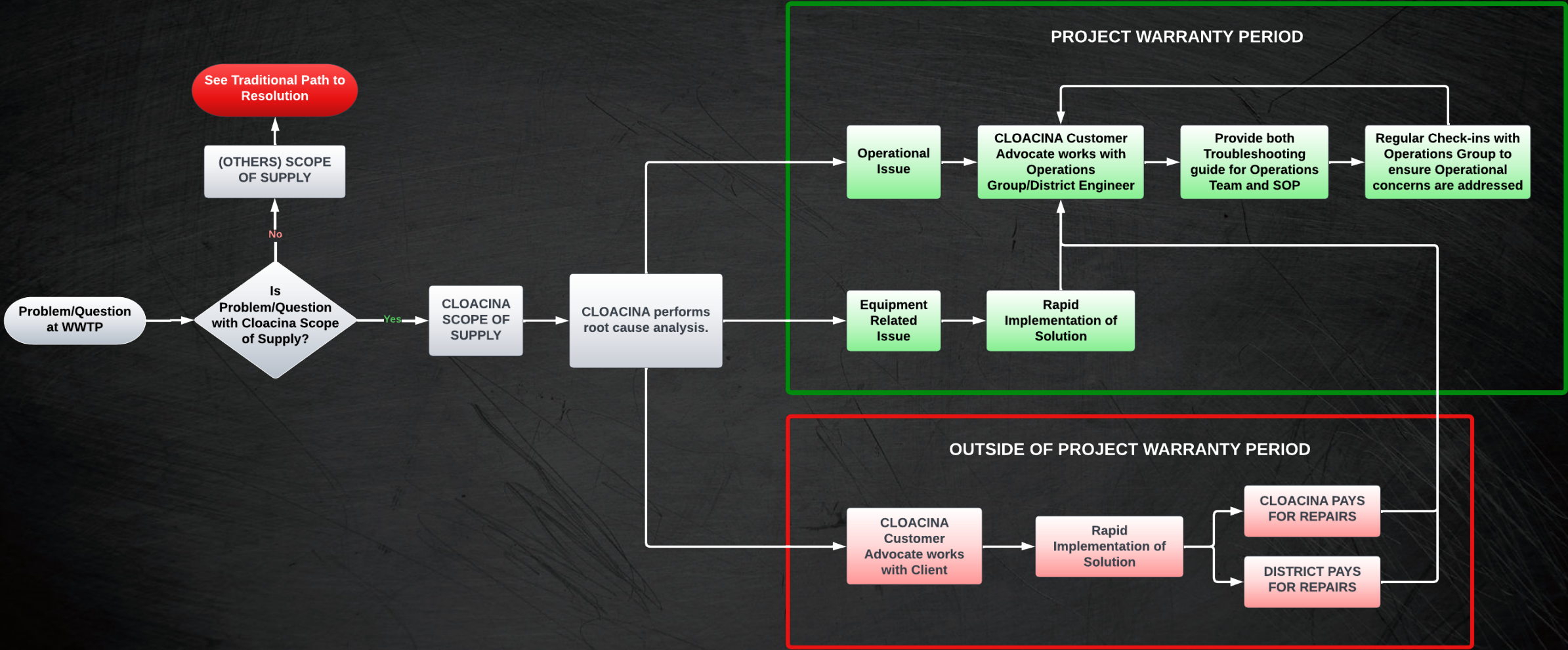
TRADITIONAL PLANTS

- Multiple points of contact and liability for the Client between the project engineer, contractor, vendors and sub-contractors which are left up to the Client and/or their engineer to resolve
- Finger pointing and blame shifting often occurs between parties when non-conformities or operational issues are found

TRADITIONAL PLANT ISSUE RESOLUTION PATH



CLOACINA ISSUE RESOLUTION PATH



WHY CLOACINA IS THE BEST CHOICE FOR YOUR PROJECT

- We are the national leader in design, engineering and manufacturing of package membrane bioreactors
- You know exactly what product you are buying, the equipment that is included with it and the price upfront
- Our plants have the lowest overall price, least amount of contingencies and provide the greatest value
- We are the only company that offers factory acceptance testing of the complete system prior to shipping in this size range
- A Cloacina plant is designed, constructed and installed significantly faster than a traditional plant
- Our plants are easy to install, operate, maintain and repair
- Cloacina's post-installation support is unparalleled
- You will have one local point of contact and liability for the entire Cloacina scope of work

MEMPAC-M300
PRE-ENGINEERED MEMBRANE BIOREACTOR

