SCREENTEC, THE LOW MAINTENANCE BAR SCREEN

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Coweta Water Authority, GA - WWTP Improvement

- **Scope of Work**
- Solution
- Installation of Screentec
- Testimonial
- Conclusion
• **Scope of Work**

  • Install a mechanical bar screen in a manhole
  • Upstream of the influent pump station and Headworks
## Scope of work

### Hydraulic Conditions
- Influent: Raw Municipal
- Peak flow: 1mgd
- Maximum Design flow: 5mgd

### Space Requirements - Footprint
- Depth: 35’
- Manhole Diameter: 10’
- Inlet pipe: 42”
- Bar Spacing (entrefer): ½”
- Installation angle: 90°
• **Scope of work**
  • Retrofit with minimal structural changes
• **Scope of work**
  • No more manual and unsafe maintenance
- Scope of work
  - Protects pumps from debris
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Screentec Solution

STOP DEBRIS DAMAGE!

The Pump Station Bar Screen
• Protects pumps from sewer debris
• Fits narrow/deep pump spaces
• Needs minimal maintenance

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- Screentec Solution
  - Screentec, Bar Screen Solution
  - Vertical design
  - Retrofit any structure
  - No moving part under grade level

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1- Before Screentec, what problems were you experiencing? Did fouling, ragging, or debris buildup cause extra repair costs, additional labor hours, or unsafe working conditions?

Answer: The screentec bar screen went upstream of our influent pump station for the purpose of preventing the excessive rag buildup that we had been experiencing.

2- Were you satisfied with the design and installation process? Was the Aqualitec team able to integrate ScreenTec into the facility with minimal retrofit?

Answer: The installation was not without issues due to the retrofit required. Initially, measurements were taken and sent in for proper build but additional changes were necessary when we finally began installation. Probably would have been a smoother experience if an engineer had originally been sent out to properly assess the location and better determine correct fit.
Testimonial:
- Mr. Greg Perkins – Coweta Operations Manager
  - Cell: 678-857-4354- gperkins@cowetawater.com

3- How has Screentec improved the situation at your facility? Do you know approximately how much your facility has saved in repair costs, manual labor, injury claims, etc, since installing Screentec?

Answer: **It is obvious that the Screentec is proving beneficial just from the huge amount of rags and debris that it is removing.**

4- Would you recommend Screentec to other facilities facing similar challenges?

Answer: **Yes. After nearly 6 months of service, the only maintenance we have had to do was spray an oil onto the channel to allow for better travel.**
Headworks’ Bar Screen

“We want to replace the old screen and get “Screentec” technology due to its simplicity and low cost maintenance benefits.”
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- Significant savings with a small investment

- Manual labor ➔ Mechanical operation
- Unsafe environment (H2S) ➔ No below-grade maintenance
- Structural constraints ➔ Few changes
Screentec allows wastewater operators to protect expensive pump equipment from non-dispersible debris.

Screentec’s versatile design fits almost any application with minimal retrofit.

Screentec’s automatic operation frees operators from costly and dangerous manual maintenance.

Screentec’s simple, versatile design makes it affordable, effective, and reliable.
Contact Information

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