

ENHANCING OPERATIONAL EFFICIENCY WITH **CUSTOM DRIVE SOLUTION**

Lufkin Industries: A Leader in Oil & Gas Equipment Manufacturing



✓ **CLIENT OVERVIEW**

- **Client:** Lufkin Industries
- **Industry:** Oil & Gas Equipment OEM
- **Focus:** Manufacturing pumps for oil & gas applications

✓ **CHALLENGE**

Lufkin Industries faced a significant challenge with an obsolete crane traverse drive that posed reliability risks and had unique operator control requirements, needing a sophisticated replacement that could integrate seamlessly with existing operations.

✓ **NSA'S SOLUTION**

Custom Drive Programming: NSA developed a custom drive program solution allowing the new drive technology and firmware features to be integrated into existing control system, allowing the operations to continue without disruption or require change in process.

Innovative Control Features: Integrated sensors with logic internal to the VFD to enhance precision, increase productivity and increase safety during operations.



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RESULTS AND IMPACT

- **Seamless Integration:** The drive upgrade was implemented without the need for retraining, thanks to its intuitive design, saving training costs and minimizing operational disruptions.
- **Long-term Reliability:** The new system not only resolved reliability issues but is also supported for 10 to 16 years, ensuring long-term operational efficiency.
- **Operational Excellence:** With the new system, plant operations have seen improved efficiency with an uptime close to 100%.

CLIENT TESTIMONIAL

“NSA’s tailored solution not only met our unique needs but also enhanced our operations, significantly reducing our risk and increasing our operational uptime.”
- *Operations Manager, Lufkin Industries*

CONCLUSION

- NSA’s expertise in customizing solutions delivered a high-performance drive that met Lufkin Industries’ specific operational needs, demonstrating NSA’s ability to tackle complex challenges with innovative, reliable solutions.

