

# CASE STUDY: RESTARTING FRAC BANKS EFFICIENTLY AND SAFELY

A first-time PowerCELL user restarts 10 frac pumps in just 2.5 minutes.

## Background

Restarting frac pumps requires a significant amount of energy, which can lead to increased fuel costs and a larger carbon footprint. Operators are constantly seeking ways to improve energy efficiency and reduce costs.

## Key Findings

Restarting frac pumps presents challenges that impact operational efficiency, safety, and environmental stewardship.

MGB PowerCELL technology offers a safer and more efficient alternative to traditional pump restart methods, reducing time and energy required to restart frac pumps, mitigating safety risks through quick and controlled restart processes.

## CHALLENGE

In traditional setups, restarting one frac pump can range from several minutes to 15 minutes or longer, depending on the system's complexity. When dealing with a bank of frac pumps, restarts must be done one after the other, potentially leading to a considerable time investment in the process.

## SOLUTION

MGB PowerCELL technology aims to speed up the restart process and reduce downtime in frac operations. A recent test showed a first-time user was able to start up the left bank of 10 frac pumps in just 2.5 minutes, demonstrating the potential for significant efficiency improvements.

Real-time video from a first-time customer:



## CONCLUSION

The MGB PowerCELL technology allows operators to achieve unmatched levels of efficiency, safety, and reliability. The system can be easily deployed without any CAPEX or equipment modifications and provides immediate benefits in terms of efficiency and safety.

The use of PowerCELL technology has led to the following positive outcomes:

- A drastic reduction in startup times from hours to minutes.
- Enhanced safety due to controlled restart processes.
- Significant cost savings by minimizing downtime.
- Improved operational reliability, ensuring consistent performance across all stages.

According to a first-time user, "Restarting the left bank of pumps in just 2 and a half minutes exceeded our expectations, thanks to PowerCELL. It not only improved our operational efficiency but also positively impacted our bottom line."



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