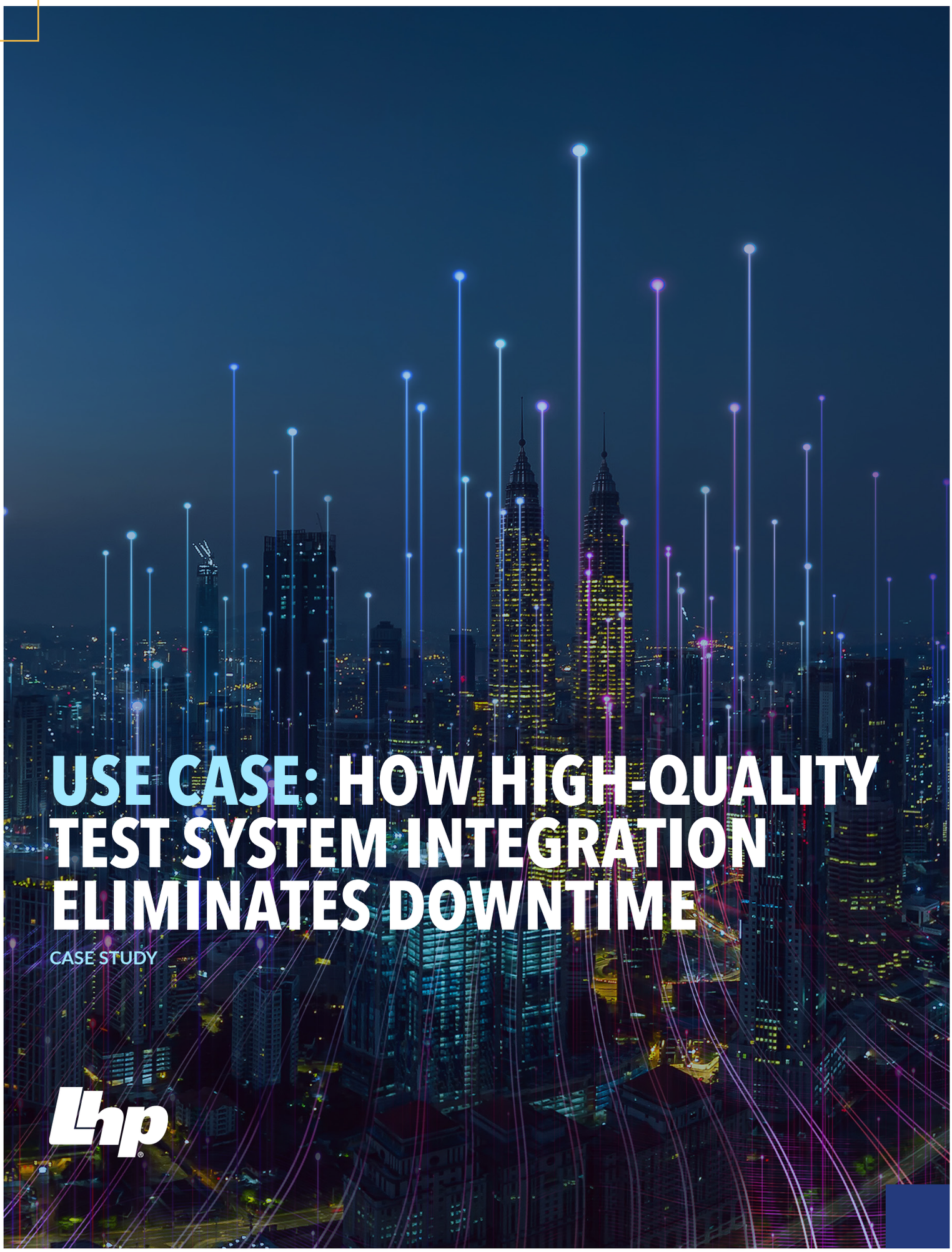


USE CASE: HOW HIGH-QUALITY TEST SYSTEM INTEGRATION ELIMINATES DOWNTIME

CASE STUDY

CHALLENGES

Libertine needed a custom control system for its ORC waste heat recovery and research engines while adhering to the high-quality looks and function of other custom devices produced by Libertine FPE.

SOLUTIONS

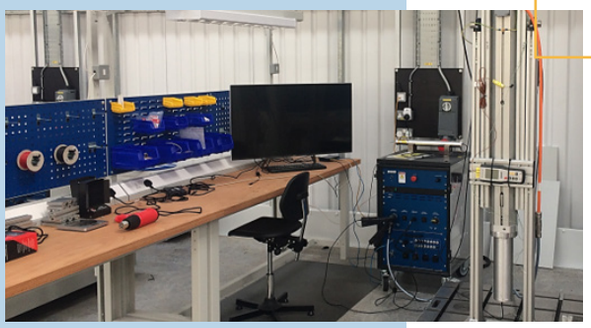
LHP Technology Solutions, Powertrain Controls Group collaborated with Libertine engineers and consultants to successfully deliver multiple systems.

BACKGROUND

As technology continues to expand rapidly, so does the need to integrate the software and hardware platforms to function as one in a package that is user-friendly and a complete out-of-the-box solution. The Powertrain Controls Group of LHP Technology Solutions (LHPTS) provides just that in San Antonio. Though LHP PCG is deep in the heart of Texas, our expertise and quality of work have spanned globally. We give engineers the ultimate experience of hooking up LHP systems with little to no effort, so they can be on the way to success right out of the gate. LHP works with vendors vigorously to ensure the customers' needs are met from the start and systems are delivered on time to eliminate downtime.

LHPTS was contacted in the fall of 2017 by Libertine FPE in the UK. Libertine needed a group to develop a hardware solution for a range of its Linear Power Systems project applications. The normal path for manufacturing these types of systems, though local, was not meeting needs or expectations. Libertine needed lean and mean manufacturing that provided low-cost integration while maintaining the highest of quality, looks, and function.

A customer, who had previously purchased a complete Engine Control System from LHPTS, recommended the LHP team for Libertines' project. The former customer ensured Libertine that anything done by the LHP team would be done in a



ABOUT THE PROJECT

Industry

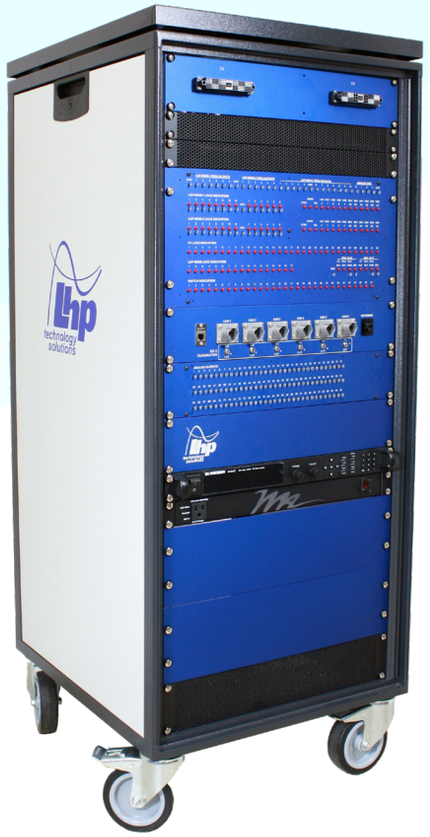
- Automotive
- Linear Power
- Motion Control

Company Name

- Libertine FPE, Ltd.

Application Area

- Custom System Integration



timely manner and meet or exceed expectations. This, in turn, led to the collaboration with Libertine.

RESULTS

LHPTS delivered the system within the desired time. Along the way, there were a few design changes to meet power requirements and those were implemented flawlessly and in a timely manner. The systems were delivered to two locations in Europe with no damage and were quickly implemented into the project with success.

These systems went through a rigorous testing phase to meet requirements for facilities, and exceeded those expectations as well. Any issues that came up were easily identified and fixed due to the complete documentation and attention to detail with marking of all components and wires.

That attention to detail is always a primary goal at LHPTS, and the Powertrain Controls Group follows that principle throughout the project process from quoting to manufacturing and delivery to support. This has led Libertine to use the LHP Powertrain Controls Group for its future integration needs.

Let LHPTS be your integration solution!

> “Libertine has worked with LHPTS Powertrain Controls Group since 2017 to develop bespoke drive and control hardware solutions for a range of Libertine’s Linear Power Systems project applications. Throughout this engagement LHP has proven to be a reliable and responsive partner, reflecting our evolving technical requirements, and keeping us informed of programme timing as work has progressed. The result is a compact modular design that provides the right combination of performance and flexibility and which has exceeded our expectations. Chris Coy and his team have applied their extensive expertise and attention to detail to deliver a control hardware platform that will serve as a basis for future generations of project developments.”
>
> *– Sam Cockerill, Chief Executive, Libertine*