

An Oxford Case Study

Building a Software Solution with a Custom-Built Team
Making the Transition to a New Operating System, On Time and On Budget

The Challenge

A client with an appliance-based software product that provides specialized communication for the purpose of emergency response made a strategic decision to move their product to a software-only model. The client's goal was to expand their market footprint on a global basis via a product offering that would run on the Microsoft Windows platform. This required a port of the application, code libraries and lower-level device communications from Linux to Windows to leverage features and functionalities inherent in the Windows operating system in under four months.

The program scope included the following:

- Project planning and management
- Technical requirements definition
- Porting of software and validation
- Creation of manual and automated test processes
- Core software testing
- Audio and video performance tuning
- Secure computing analysis recommendations
- Enterprise Windows installer package
- Technical documentation

The Solution

Oxford's engagement team partnered with the client to further understand the project requirements and technical environment. Initially, Oxford spent time learning the product and establishing the development center. Then we ported the software, implemented a comprehensive test plan, and provided oversight, including daily stand-up calls. Additionally, the engagement manager and team lead communicated frequently with the client related to expectations, managed scope and provided status reports to enable us to meet the scope requirements, aggressive schedule, and budget parameters.

A customized project team was deployed consisting of the following:

- Engagement Manager
- Scrum Master
- SI Install Builder
- PHP and Apache on Windows Porter
- Windows Kernel API Programmer
- Windows (C/C++ , gcc, gpp) Porters
- OpenSSL/Security Expert



The Result

Oxford assembled and deployed a fit for purpose team to port the Linux-based system to Windows and further develop the client's Windows-based software-only product. Working in collaboration with the client, Oxford successfully delivered the project on time, and under budget, allowing the client to meet their customer's aggressive installation date. The client provided the following comment: "Resounding success at the end of day. We are delivering what the customer needs and we should all gain from that."

About Oxford

Oxford is known for our unmatched ability to deliver *The Right Talent. Right Now.*® As a leading recruiting and consulting company with offices across North America and Europe, we focus on proactively building a network of highly skilled professionals so that we can immediately connect our clients to the expertise they need and provide rewarding opportunities for our consultants. We leverage over 30 years of recruiting expertise and specialize in fields where superior resource solutions are most in demand.

