

# FOGHORN PROVIDES LASER-PRECISE SOLUTION FOR LUMENTUM



Lumentum (NASDAQ:LITE) is a market-leading manufacturer of innovative optical and photonic products enabling optical networking and commercial laser customers worldwide. Lumentum's commercial lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in Milpitas, California with R&D, manufacturing, and sales offices worldwide.



## 1. THE SITUATION

When you deal in optics, it's especially important to see what your supply chain is doing. Lumentum designs optical components and leverages several contract manufacturers to manufacture products that power nearly every type of telecom, enterprise and data center network. Let the sheer magnitude of that amount of data sink in for a minute. Their finely-tuned manufacturing process generates data that is crucial to many manufacturing processes, the most important being quality control. In order to optimize quality, Lumentum needed to aggregate critical data from several manufacturers, normalize and ingest this data, and then run analytical reports across the data as a whole.

## 2. THE CHALLENGE

Lumentum needed a data aggregation and big data analytics solution. Simply put, it needed to consolidate multiple streams of data from different partner sources into one business intelligence platform. Suffice to say, Lumentum did not have an easy way to accomplish this. Foghorn and Lumentum combined several AWS services to make this happen. Data is streamed from manufacturers directly to S3. That raw data is processed in AWS using Hadoop, and pumped into Redshift, where Lumentum can then run analytical reports



Partner  
Network

PLACEHOLDER

STOCK

PHOTOGRAPH



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CLIENT NAME

TITLE

### 3. THE RESULTS

Naturally, Lumentum was Laser-focused on results. **What used to take Lumentum days or weeks, is now near real-time.** The business accesses reports and analytics automatically that previously required time consuming, manual processes. As a result, they are identifying quality issues faster which increases the quality of product. In turn, this has helped the business to grow revenue as well as cut costs. More importantly, Lumentum now has a big data platform that can be extended to additional business uses.

Foghorn was founded in 2008 with a mission to ensure that cloud computing initiatives deliver maximum value for its customers. Based in the Silicon Valley, Foghorn provides domain expertise in strategy, planning, execution and managed cloud services to high-growth and enterprise companies seeking a cloud partner. Our team of DevOps engineers, SRE's and certified cloud architects bring over 20 years of domain expertise to ensure your cloud initiatives are a success.



330 Townsend St, Suite 202  
 San Francisco, CA 94107  
 foghornconsulting.com  
 info@foghornconsulting.com  
 650-963-0980