

## Challenge:

Molex Technologies LLC is a large multi-national cable supplier with factories across the globe. They required a unified Yield Management system from which to track product performance and quality across global production lines, in order to improve yields and time-to-market. Three factories on two different continents had to be connected, with the ability to have real-time data streams of product quality and yield analytics. This would enable Operations and Engineering to immediately identify where to apply resources in order to drive continuous improvements. Due to high production volumes, with large amounts of data collected per each unit produced, a high performance scale system was needed to meet this challenge.

## Deployment and Integration:



Full scope requirements, including data mapping and integration with existing tester infrastructure was completed in 6 weeks. The first factory deployment took only 3 days, with the remaining two factories brought online two weeks later.

## Solution:

Intraratio offers a powerful and intuitive Yield Management system that automatically captures and stores production data. This system can be deployed across multiple factory lines, providing a centralized, scalable means of managing and monitoring production yield. Accessible from a secure browser connection anywhere on your network, product quality and yield can be monitored using standard and customizable charts along with tabular summaries. It can be deployed as a stand-alone system, or integrated directly with Intraratio's MES solution for fully automated quality control.

## Results:

Real-time product performance and quality data capture was achieved in 8 weeks, providing global visibility of production yields in real-time across two continents. No additional IT or Engineering overhead was required to manage the system once it was in place. Internal operational excellence studies revealed a 95% reduction in Engineering time spent finding, validating and analyzing data. This cost alone added up to \$40K per week, for an average savings of \$2 Million annually. With improved product quality, yield, and time-to-market, additional significant savings continue to be realized.