



SANMINA

**650 MEDICAL ASSEMBLIES.  
ENVIRONMENTAL  
COMPLIANCE ACHIEVED  
AT 66% LOWER COST.**



## GOAL

A TIER ONE MEDICAL COMPANY DESIGNED AND PRODUCED A WIDE RANGE OF MEDICAL DEVICES IN 13 DIFFERENT BUSINESS UNITS. LEGISLATION REQUIRED THEM TO PROVE THAT THEIR DESIGNS WERE COMPLIANT WITH ROHS, WEEE, REACH AND OTHER ENVIRONMENTAL STANDARDS WITHIN 6 MONTHS. THE TASK WAS ESTIMATED AT 366 MAN WEEKS.

## THE CHALLENGE

The medical systems were designed in 13 global business units which were using different design processes and tools. Over 75,000 component part numbers were designed into more than 650 assemblies. It was estimated that the task would require a resource investment of 366 man weeks. Without any experience in environmental compliance legislation, the OEM was facing a daunting task and the 6 month deadline for compliance was fast approaching.

## WHY SANMINA

Sanmina was already manufacturing the customer's systems in production facilities around the globe. The customer saw evidence of how Sanmina's engineering service had successfully helped many other customers achieve environmental compliance. Sanmina's centralized approach meant that the work required for the all 650 systems designed in 13 different design centers could be completed in parallel.

## SANMINA'S APPROACH

Sanmina's central environmental compliance organization assigned a program manager and team to the project.

- The bill of material and approved manufacturer list for each product were verified with all the design centers.
- All components were loaded into Sanmina's proprietary environmental compliance database.
- Duplicate components used in multiple systems and analysis of the specifications for 75,000 components reduced the research task to a set of 45,000 common parts.

**CASE STUDY**

- Sanmina conducted an extensive supplier survey for the 45,000 components to determine the compliance status for a range of environmental directives including:
  - EU RoHS 2011/65/EU amended to Directive 2015/863
  - REACH (EC) 1907/2006
  - California Proposition 65
  - Battery Substance Restrictions
  - Other Legislations including CLP, TSCA, POPs, Biocidal Products Regulation (EU) No 528/2012
  - Industry Restricted and Declarable Substances
- Sanmina's proprietary application managed the supplier survey ensuring that compliance for each component was recorded.

## THE RESULTS

- Using Sanmina's centralized environmental compliance service, the task was completed with 66% less labor than if the customer had undertaken the project themselves.
- Sanmina helped the customer to certify compliance for more than 650 systems using 75,000 components within only 6 months.
- There were no interruptions to production or shipments.



For more information,  
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