

COMPLEX DESIGN AND TEST REQUIREMENTS

PROGRAM HIGHLIGHTS

The customer designed a distribution transformer smart meter. The device is patented sensing, metering, and communications integrated in a self-contained device. The distribution transformer monitoring solution delivers ongoing, cross-departmental value for electric utilities. The versatility of the intra-grid sensor captures a host of critical data points — historical and real-time resulting in a positive impact on the operations management, reliability, compliance, and cost control efforts of utility operators.

The customer won a large order from their end customer that led to an increased demand. Their product was still in the development stage and needed changes to increase the design manufacturability for higher volumes with reduced costs. In addition to the manufacturability challenges, the customer was in the process of incorporating design enhancements to make the functional test work for higher quantity builds. The customer was also facing challenges in the final sealing of the product which were causing a delay in their final shipment.

SOLUTION

The experienced engineering team at Vexos worked very closely with the customer to help overcome the challenges in manufacturing and test. The BOMs and documentation were reviewed and analyzed for build process and cycle times with recommendations to the customer to reconfigure the product structure to maximize assembly time efficiencies. A process was developed for cost effective

enclosure sealing methodology. The team at Vexos helped create the relevant documentation required for the assembly of the main board, daughter board, and full box build of their product. Vexos created a cross reference report for the product's box build assembly to assist in data and PCBA traceability as required.

RESULT

Since the first program launch with Vexos, the customer has been extremely satisfied with the level of service and expertise. Since the initial launch, Vexos continues to provide the customer with ongoing quality products in the most cost effective ways.



Dependable Quality

Vexos achieves the highest quality levels by utilizing the latest equipment, processes, quality standards and certifications across the organization; to enable a flawless launch of each individual program.

- Rigorous selection of sub-contractors or partner factories
- Performance evaluation and monitoring through regular audits of the factories
- Continuous training for personnel at all levels
- Document control to safeguard your data and release of technical documents
- Sample approval process including production part approval process (PPAP)

Certifications

- ISO 9001:2015
- ISO 13485:2016
- ISO 14001:2015
- FDA registered
- OHSAS 18001:2007
- RoHS and Non-RoHS
- IATF 16949:2016
- CGP certification

Markets We Serve



COMMUNICATIONS



INDUSTRIAL



MEDICAL



SMART GRID



SECURITY



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COMPUTING



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HVAC

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