



CASE STUDY

Certification Assistance



INSTRUMENTATION
TECHNOLOGIES



OVERVIEW

Instrumentation Technologies has assisted a customer in passing certification for a new edition of their existing product. We detected the core of the issue and provided a solution that allowed the customer to pass. Furthermore, we offered the customer guidance in passing certification and launching the product.



CUSTOMER VISION

The customer is a provider of optoelectronic visualization solutions in the field of medical endoscopy. For the past 40 years, their microendoscopes as well as 2D- and 3D-endoscopes, chip-in-tip and chip-in-scope systems, endoscopic cameras, and light modules have been used in urology, gynecology, laparoscopy, ENT, neurology, drug delivery, arthroscopy, etc

THE CHALLENGE

As a producer of electronic medical devices, the customer is required to follow and comply with the family of Medical Electrical Equipment Standards. A new standard edition had been presented, and our customer had limited time to adapt to changes and to recertify the product in accordance with the new requirements. They modified the product, but failed certification. We were faced with a challenge in which delaying production meant numerous lost opportunities and delayed time to market. The customer's CEO identified the following issues in the situation: they lacked technical staff that could deal with the problem, they were located far from the offices where certification took place, and they had already invested a number of weeks into attempting to solve the issue.

APPROACH

Since the customer needed a flexible engineering team with the right knowledge, someone who would be able to oversee certification on site, and a reliable partner who would provide guidance on how to solve the issue, it was obvious that Instrumentation Technologies was the right fit. We quickly established a team of hands-on experts and oversaw the certification testing which resulted in a quick detection of the conditions in which the issue appeared.

CONCLUSION

Because of our expertise, the customer was presented with a set of solutions. After implementing the proposed solutions, the customer was able to pass certification and start production.

ABOUT US

Instrumentation Technologies is a well-experienced, high-tech company, able to provide cutting-edge solutions for your needs. Our flexible team is comprised of curious and innovative, yet reliable and well-experienced, engineers, who work to excel at every solution they develop.

We started 20 years ago in the field of particle accelerators, where we now offer diverse high-performance instruments, under the name Libera. Utilizing the knowledge we have gained in the demanding field of particle accelerators, we are also able to offer consultation expertise in other technologically demanding fields, such as MedTech, IoT, smart cities, telecommunications, aerospace, and university research. Our solutions include hardware and embedded software design, rapid prototyping, product development, and certification assistance.