

# AE Develops an Innovative Solution for Laser Eye Surgery Device Manufacturer

**INDUSTRY**

Medical Lasers

**SOLUTION**

Value-add using CNS655-ME

**EQUIPMENT**

Laser Eye Surgery

**CHALLENGE**

A premiere eye surgery device manufacturer was searching for an accurate and reliable power supply with quick sample delivery. Ophthalmic lasers require a stable and reliable source of power to operate effectively and efficiently. The power supply must also be able to provide consistent power and operate reliably in a wide range of environmental conditions.

The company turned to AE to provide a solution that was cost competitive, high quality, reliable, could accommodate modifications and assure supply continuity in the foreseeable future.

**SOLUTION**

To meet the specific needs of the customer, the AE team proposed a value-add solution using CNS655-ME as the base power supply. Then to achieve the requested output power of 650 W and 10 V standby the applications team devised a design approach that included:

- Hardware and firmware modifications to accommodate custom specifications
- Mounting and connectors based on existing supply
- Shrinking the size of the enclosure to further reduce cost



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## CONCLUSION / RESULT

AE's team, known for their prowess in standard power supplies, had already earned the manufacturer's trust through various successful programs. This allowed the customer to trust the AE team to create a reliable value-added solution for this project. The customer was particularly satisfied with the focused support from AE's value-add team at the RFQ stage, providing multiple design ideas to meet their requirements. The continued strong support and close communications between the customer's engineering team, purchasing and AE's local FAE and sales rep's created a positive product design-in phase. AE's ability to commit for long lifetime product delivery, reputation, global technical support and fast samples delivery ensure a successful project.



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