C3 MEDTECH INNOVATIONS

CASE STUDY

WELLINKS

Wellinks Portable Nebulizer

A pocket-portable nebulizer for asthma and COPD, rebuilt from scratch



CLIENT	FOCUS	C3 SCOPE	STATUS
Wellinks	Asthma and COPD relief	Hardware + firmware redesign	On schedule, inside FDA cert

The challenge

More than **600 million** people are affected by asthma and COPD. The nebulizers created by Wellinks help relieve symptoms for those living with these conditions.

When Wellinks switched manufacturers, they lost access to important information about their own product. That left our team starting the project from scratch, on a very short time frame, with no design documentation to work from.

The brief was demanding: reproduce the functionality of the previous design, add innovative new features and wireless technology, and do it without moving the deadline.

What C3 delivered

With no information from the existing manufacturer about the nebulizer, we started this project from scratch on an aggressive deadline.

For user ease, we improved the quality and enhanced the features of the previous design while ensuring its appearance and functionality remained the same, so existing users would not have to relearn the product.

The Wellinks nebulizer now has wireless capabilities, an electrical hardware redesign, and a firmware redesign. We also developed the back end of the mobile app to integrate with their third-party mobile app team.

While a complete redesign and effective reverse engineering were required, we maintained the original stringent schedule and stayed within the pre-existing FDA certification, while making the product better than before.

THE RESULT

Delivered on the original schedule, inside the existing FDA certification