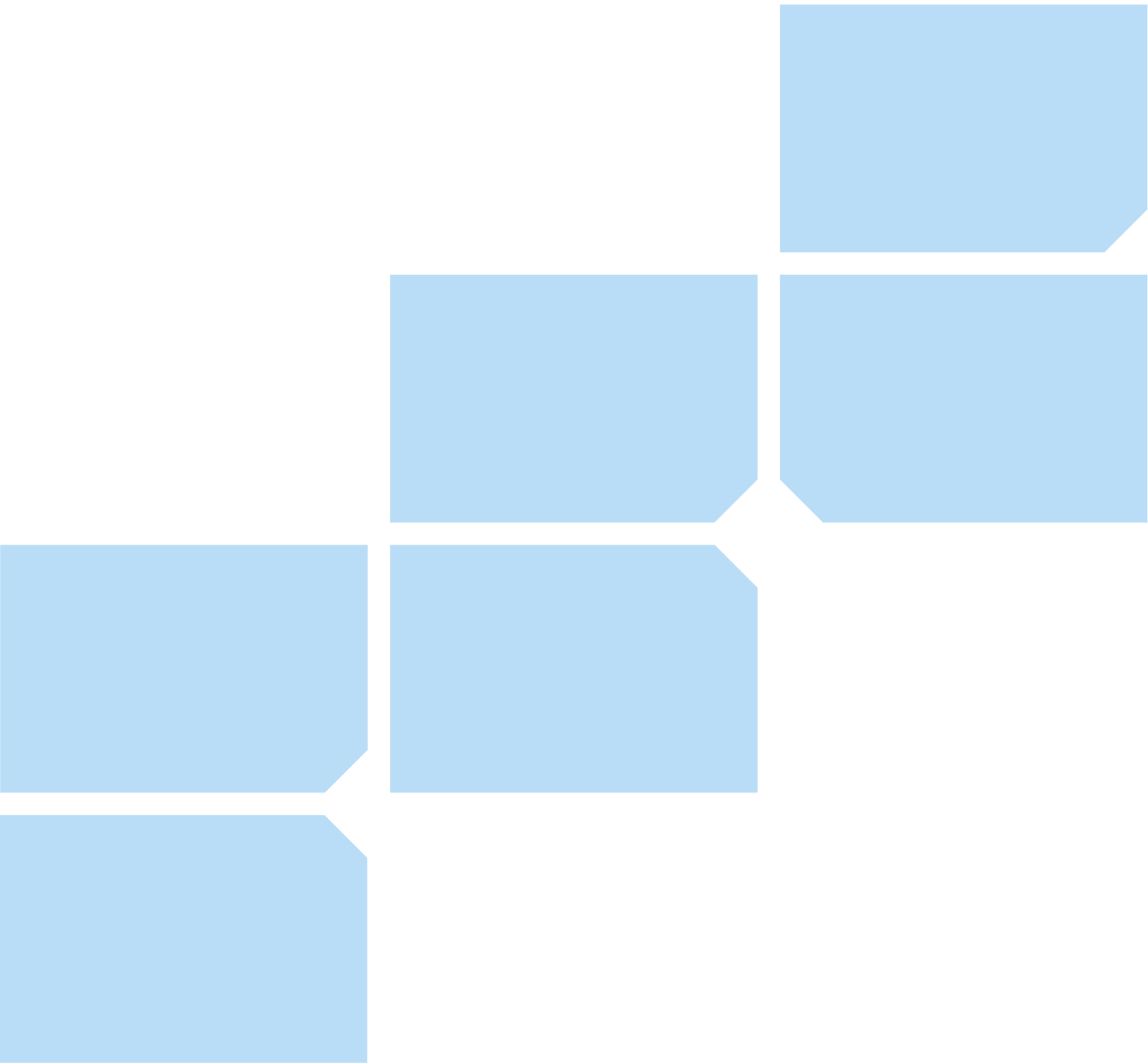


ACCELERATING NEUROVASCULAR DEVICE DEVELOPMENT



CHALLENGE

Develop a delivery system and implant to gather physician feedback within three months. The device must be able to navigate through a treacherous neurovascular anatomy with market leading push-ability and maneuverability.

OUTCOME

By leveraging Heraeus Medevio's vertically integrated processes (reflow, grinding, coiling, ablation, glueing, welding) for the delivery system, the customer was able to focus internal resources on the implant.

Through this partnership, they were able to provide a minimal viable product and receive physician feedback within eight weeks.

SUMMARY

This project was completed in close collaboration with the customer. Heraeus Medevio provided a steady stream of products for the customer's internal testing, feedback, and subsequent iterations were made.

Product iterations occurred every week, leveraging the Heraeus Medevio rapid prototype team, including 8 different manufacturing technologies and coordinating with multiple external vendors.

In the beginning, product samples were complex and difficult to manufacture. Through collaboration, the teams were able to bring design for manufacturability concepts to the project and make the long-term manufacturing viable. The Heraeus Medevio rapid prototype team is well versed on a magnitude of medical device designs and was able to advise on:

- Material Selection
- Design Challenges
- Manufacturing and Assembly Processes

In the end, the customer was able to quickly iterate on delivery system designs and receive valuable physician feedback, while saving time and resources by partnering with Heraeus Medevio.

MARKET

Hemorrhagic Stroke

COMPANY

Global Leader in Neurovascular Market

