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READY FOR TAKE-OFF

HOW WE'RE DELIVERING
LIGHTWEIGHT, RUGGEDIZED
CONNECTORS TO INDUSTRIES
THAT PUSH THE LIMITS—AND
THE IMAGINATION.

THE DEMAND FOR COMMERCIAL DRONE DELIVERY IS TAKING FLIGHT

This is the year to outfit your drone program with components that are ready for take-off

**\$288
BILLION**

The predicted size of the last-mile delivery market by 2031

**2-3
DAYS**

The time frame 90% of customers expect to receive their orders

24%
INCREASE

Gartner's estimate for global drone shipment growth by 2029

There's no question: online delivery orders are surging and customers expect their orders to arrive almost instantly. From clothing to pharmaceuticals, a shocking 30% of customers assume all products can arrive the same day—almost as quickly as a food order. The demand for immediacy is putting the pressure on innovators in the commercial drone space.

Getting deliveries from point A to point B on a truck is one thing, but drone delivery introduces a fresh slate of challenges. See how NorComp won its seat aboard one of the industry's most major players.



JUST LIKE THIS TEAM OF VISIONARIES, YOU NEED CONNECTORS THAT CAN KEEP UP WITH THE PACE OF INNOVATION.

A global technology innovator approached NorComp for help with a connector to fly aboard commercial delivery drones. A fast-moving industry where the only constant is change.

First, the most important factor of drone flight: low weight. Bulky, heavy components just won't do. Second, drones are subject to the whims of Mother Nature. Rain nor heat, dust nor cold, can delay critical deliveries.

The project became a balancing act. The connector had to be light; it had to be rugged enough to survive the rigors of flight. And most importantly, its design, testing, and manufacturing had to keep pace with a hungry industry disruptor.

SEAL-D®
Designed for IP Performance



LIGHTWEIGHT AND READY TO FLY

When the client first came to us, their drones were outfitted with connectors weighed down by gaskets and bulky potting material.

These connectors were far too heavy to fly inside of a drone.

Enter our SEAL-D. A lightweight, compact connector with a far smaller footprint than potted-flange D-Subs. It was just the ticket for this weight-sensitive project.

PREPARED FOR ANYTHING

Drones fly through a range of punishing outdoor conditions. In some climates, weather can change on a dime. Components need protection against rain, sleet, and more.

For this project, the client went way out of their way to make sure the drone was ready for anything—all the way to the Australian Outback. Our SEAL-D connectors needed to withstand extremely tough conditions like high heat and arid, dusty land.

The client tested our connectors against several other competing manufacturers throughout the entire process. But the IP67 / IP68 rating of the SEAL-D continually aced trials. Our proprietary internal sealing method protected internal components, while keeping weight and size down to a minimum. Despite its mighty ruggedization, the SEAL-D maintains the same footprint as non-IP rated D-Sub connectors.

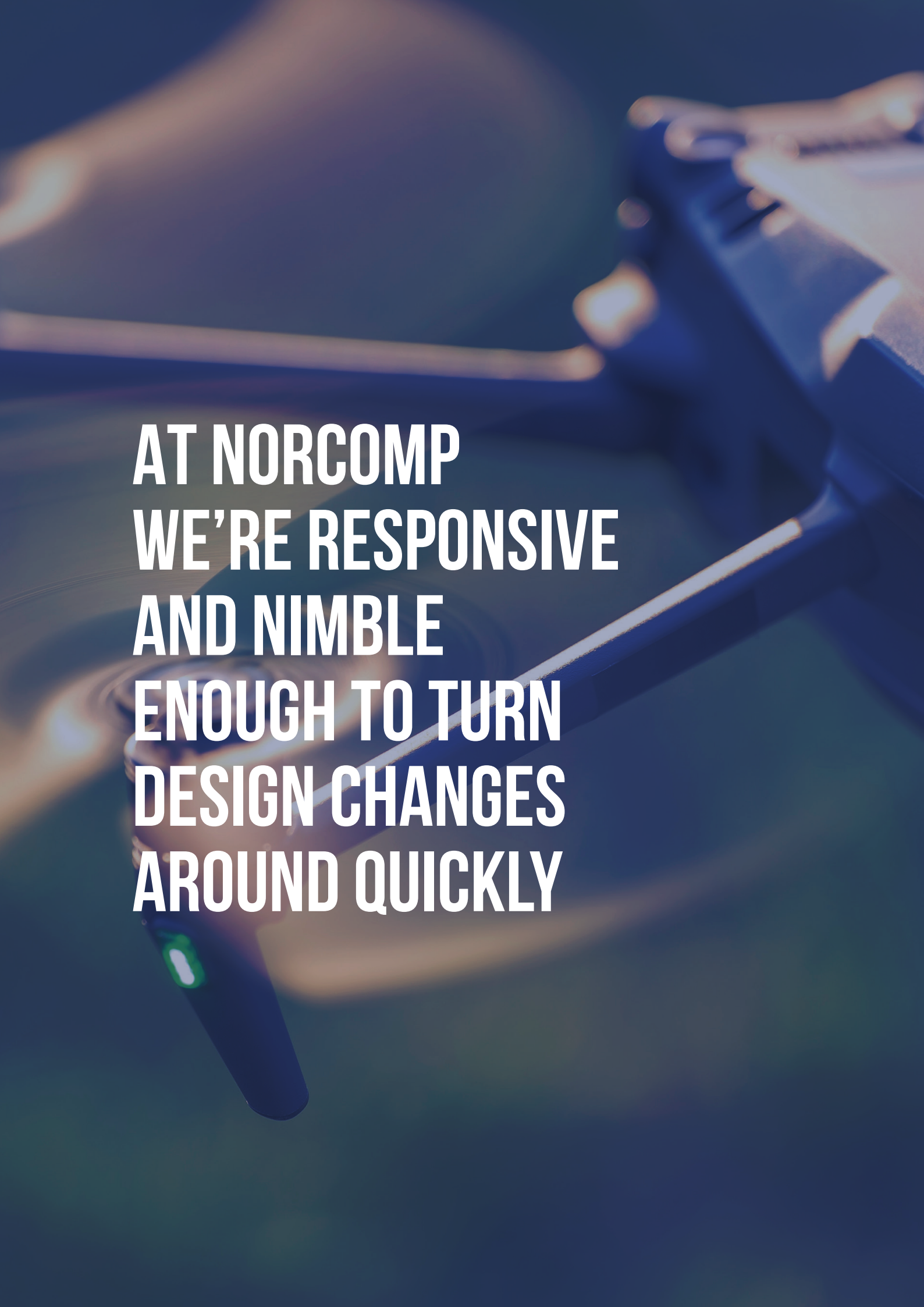




ENGINEERING INNOVATION THAT KEEPS UP WITH FAST-PACED INDUSTRIES

Drone delivery tech is still in its infancy. That means things are always changing: it's a fast-moving industry subject to frequent fine-tuning. Companies are constantly fielding new ideas and testing their imaginations in a race for Class G airspace.

At NorComp, we're responsive and nimble enough to turn design changes around quickly—a quality praised by this high-caliber innovator. In this project, the drone underwent 50+ design revisions. With each revision, the client needed to deliver new connectors to various contract manufacturers to build new prototypes. Our rapid response time was key: we were able to have reworked product ready and in-hand at various locations around the world.



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CONNECTING INDUSTRY 4.0

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