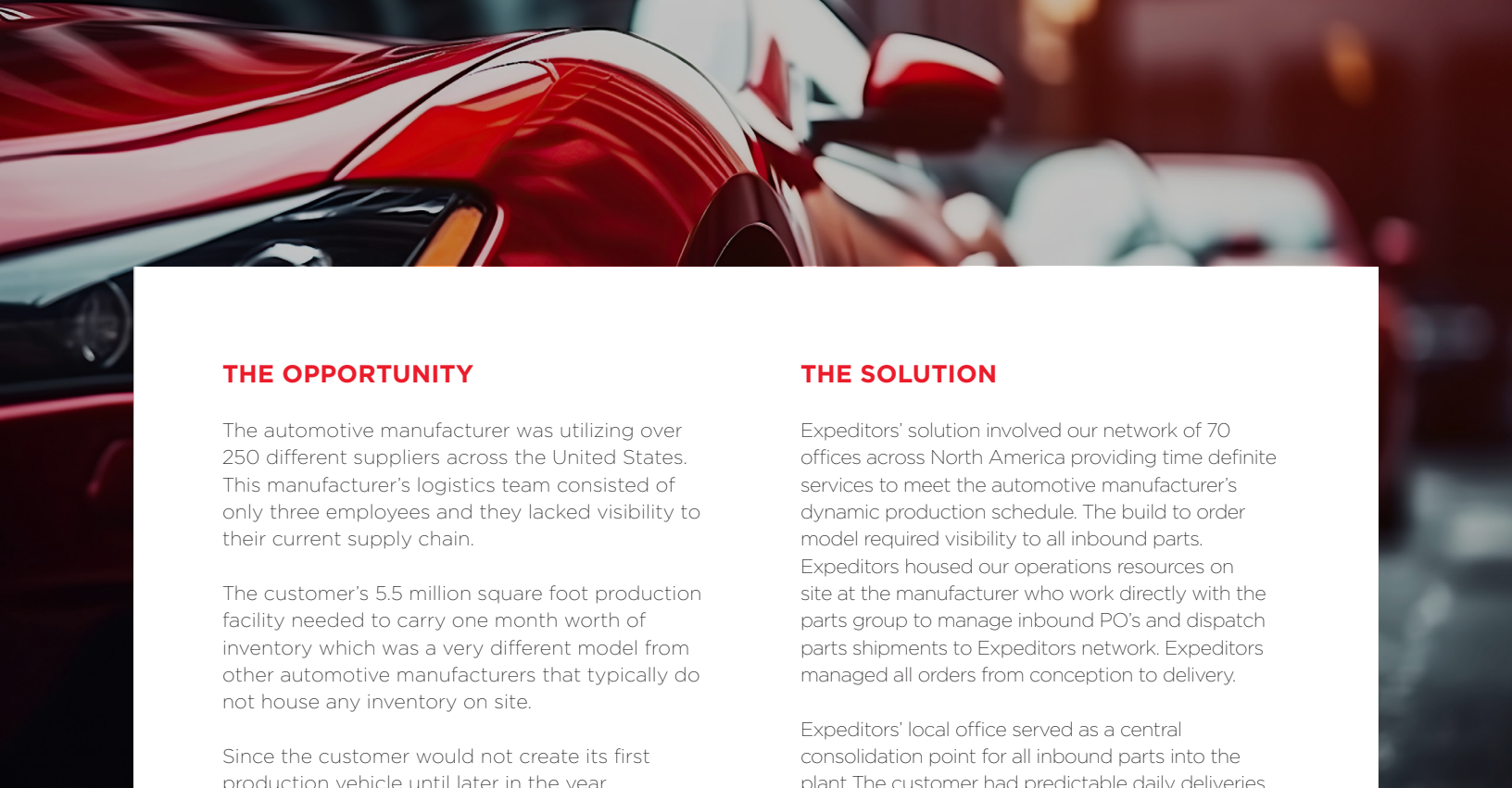


EXPEDITORS | AUTOMOTIVE & MOBILITY

Automotive Manufacturer

A premier automotive manufacturer of electric vehicles was in need of a unique supply chain solution because they were in the development phase of their latest electric vehicle. The customer's logistics needs were expected to fluctuate and change as they continued to build various prototypes. Ultimately, they needed a supply chain provider with industry expertise in automotive manufacturing and that was knowledgeable of the logistics demands of a high tech start-up company.



THE OPPORTUNITY

The automotive manufacturer was utilizing over 250 different suppliers across the United States. This manufacturer's logistics team consisted of only three employees and they lacked visibility to their current supply chain.

The customer's 5.5 million square foot production facility needed to carry one month worth of inventory which was a very different model from other automotive manufacturers that typically do not house any inventory on site.

Since the customer would not create its first production vehicle until later in the year, they were in need of a provider that could support critical logistics for their prototypes. The manufacturer has a build to order model which required a logistics provider capable of supporting a variable production schedule.

As the year progressed, the number of orders significantly increased for their high end electric vehicles. This demand put tremendous pressure on their supply chain as the automotive parts suppliers had to increase orders to meet the rise in demand. This created a shorter window to get parts to the production line.



THE SOLUTION

Expeditors' solution involved our network of 70 offices across North America providing time definite services to meet the automotive manufacturer's dynamic production schedule. The build to order model required visibility to all inbound parts. Expeditors housed our operations resources on site at the manufacturer who work directly with the parts group to manage inbound PO's and dispatch parts shipments to Expeditors network. Expeditors managed all orders from conception to delivery.

Expeditors' local office served as a central consolidation point for all inbound parts into the plant. The customer had predictable daily deliveries with advanced visibility to all parts on the daily delivery truck into the plant.

As multiple PO's were dispatched to our network of offices, Expeditors used the PO level detail to provide a higher level of visibility to the customer. The PO level detail was also instrumental in invoicing. Our system updates and visibility at the PO level allowed the customer the ability to quickly audit invoices which improved payment to Expeditors and their parts suppliers.

THE RESULTS

Because Expeditors offered flexible shipping options and full visibility to each inbound part, the manufacturer achieved their production target of 400 vehicles per month. As the customer's business needs evolved, Expeditors provided consistent seamless service for all of their logistics needs. We improved inventory accuracy from 70% to 99% and reduced storage fees by aligning the production schedules of cars to the inbound parts into the plant.

Expeditors' industry knowledge combined with our critical logistics and visibility solutions allowed our customer to streamline their supply chain and improve assembly time for each customer order.