



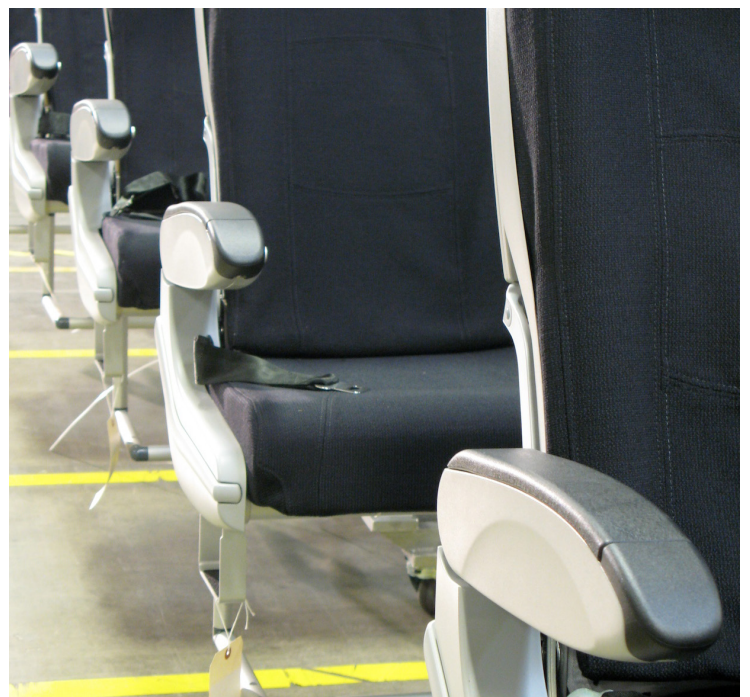
## New aircraft production: Large-scale manufacturing; making lean leaner

### Customer

Aerospace innovator, a leader in the design and manufacture of aircraft.

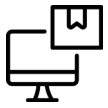
### Customer Challenge

Our customer developed plans for an all-new, super-efficient airplane with a suite of new technologies that would deliver exceptional performance and transform the commercial airline industry. To bring these plans from vision to reality, our customer needed a collaborative partner to help develop a mission-critical, automated and efficient inbound logistics process that would support the manufacture of the new plane.



## GXO Solution

GXO worked with the customer to develop a comprehensive solution to enhance control and reach unprecedented efficiencies in production time. GXO integrated eight of our customer's systems to provide total visibility, streamlined order processing and systematic inventory segregation. Key aspects of the 100% automated, integrated solution include:



### **Inventory Management:**

More than 800 users access GXO's online data portal for instant status on orders and inventory. All items, including tools and consumables, can be tracked to the serial number level in real time.



### **Kit assembly:**

GXO builds 1,400 kits monthly, containing an average of 34 components per kit, greatly improving manufacturing efficiency by eliminating time spent looking for and unpacking components and focusing mechanics on direct production.



### **Just-in-time delivery:**

GXO makes 1,200 milk runs per month to deliver the component kits to designated points in the assembly facility, ensuring the right parts are available in the right places at the right time.

## Results

With the launch of this aircraft, our customer set a new standard for modern aerospace production, reducing production time and cost significantly. GXO's enhanced lean manufacturing initiatives helped minimize flow time from order to delivery and improved mechanic productivity. This partnership enabled a streamlined assembly process with high levels of quality and accuracy.

As part of our ongoing improvement program for this customer, GXO has added autonomous collaborative robots (cobots) and an automated vertical lift module to speed picking, reduce walking, labor and training requirements.

