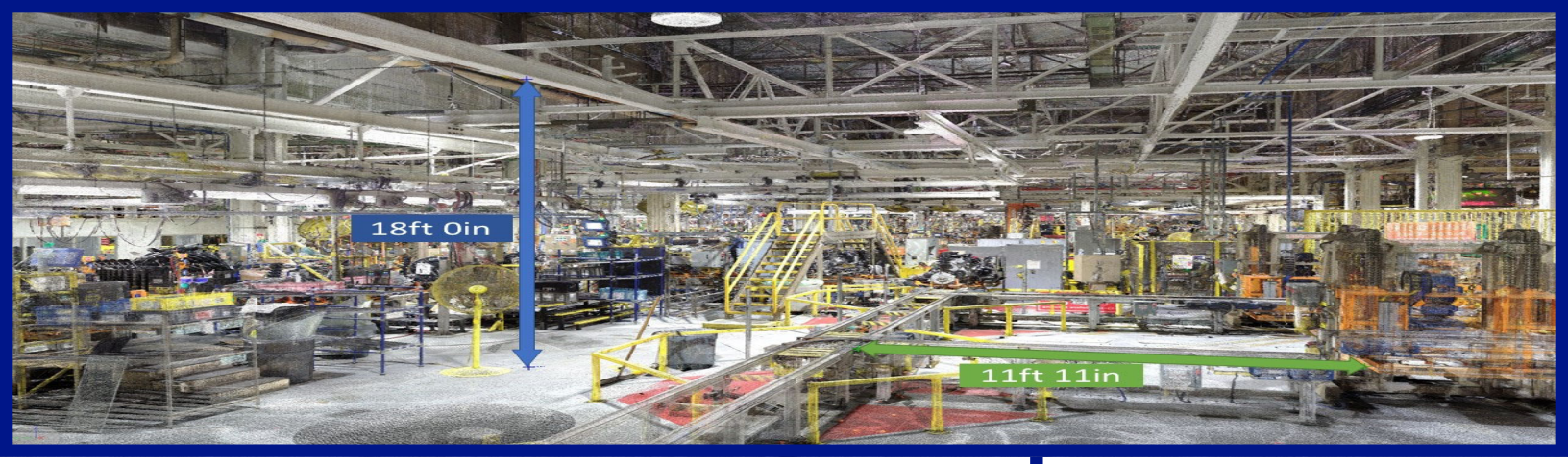

CUSTOMER
Ford Motor Company

PROJECT
General Assembly Plant Facility Scan

OVERVIEW

MOVING TOWARD A FUTURE OF DIGITAL TWIN AND INDUSTRY 4.0, LASER SCANNING IS AN IMPORTANT TOOL TO MEASURE AND DISPLAY AN ENTIRE ASSEMBLY PLANT. THE FINAL PRODUCT IS AN ENVIRONMENT WHERE A PHYSICAL PLANT IS QUICKLY TRANSLATED TO THE DIGITAL WORLD. THIS “LIVE” MODEL CAN CHANGE AS THE PLANT IS ALTERED THROUGHOUT ITS PHYSICAL AND DIGITAL LIFE. 3D LASER SCANNING SAVES TIME AND MONEY IN THE FIELD AS COSTLY FIELD CHECKS CAN BE DONE FROM THE ENGINEERING OFFICES WITHOUT STEPPING FOOT IN THE PLANT.

APPROACH / GOALS / OBJECTIVES

PROVIDE CUSTOMER WITH DETAILED, HIGH RESOLUTION PLANT DATA THEY CAN TRAVERSE, MEASURE, AND MAKE DESIGN DECISIONS UPON IN REAL TIME.

BOTTOM-LINE RESULTS:

1.8MIL SQ. FT. SCANNED IN 6 DAYS
Our team averaged 300,000 sq. ft. per day

38 DAYS
From the first day onsite to delivering the final scan to the customer

5 SCANNERS
The team used 5 FARO scanners which ran 24 hrs / day

Two scanning teams utilized in this effort

4800 SCAN POINTS
The multitude of scan points deliver more precise data