

# How Boeing Reduced Operational Deficiencies By Enhancing Data Visibility



## The Boeing Company

Boeing is the world's largest aerospace company and leading manufacturer of commercial jetliners and defense, space and security systems. Boeing employs an advanced research and development team called Boeing Research & Technology, consisting of approximately 3,300 engineers and support staff who are tasked with identifying solutions for their business unit's needs, in order to improve both performance and efficiencies, as well as enhance overall business results.

## Their Needs

Boeing required a BI platform that was able to coalesce with pre-existing systems, through one, single harmonious interface. They required a solution that would make data entry and collection more centralized and streamline.

## Their Challenge

Boeing desired the capability to better improve efficiencies and reduce costs, while continuously strengthening their customer's output production rates. They wanted to provide a solution to the manufacturing floor that enabled everyone – from engineer to management – to identify and pinpoint non-conformances and encourage corrective action to those areas. Boeing faced inconsistencies in data quality, where-in employees struggled to have repeatable entry processes. Deviations in how employees entered discrepancies when identifying problems, led to a scarcity of usable data. Due to their existing system's lack of visibility, Boeing found that they were chasing discrepancies downstream that no longer existed.

## Key Benefits

As a result of using Dundas BI, Boeing became aware of a cultural and procedural problem that was facing their business unit, and they realized what capabilities needed improvement. They immediately recognized increases and enhancements in productivity, as their existing systems became more integrated and unified. By making data analytics available to shop-floor employees, as well as to the business unit and engineers, experts of Boeing Research & Technology were able to link raw, near real-time production data occurring on the factory floor to the decision-makers. This improved data-entry accuracy, facilitated an organization wide hunger to execute precise, timely, processes. Additionally, Boeing obtained a rapid return on investment following Dundas BI's implementation, which was directly attributed to a reduction of the number of man-hours required to produce reports.

## Why Boeing Chose Dundas BI™

Boeing acquired Dundas BI primarily due to its highly customizable interface and design, allowing them to easily visualize thousands upon thousands of data points. In addition, Boeing enjoyed the capacity to be able to connect with multiple preceding systems. The adoption of Dundas BI has amplified Boeing's ability to further drill-down into and filter their data, making it more organized and visible.

- ✓ **Customizable Dashboards**  
With easy, smart and intuitive design tools using drag-and-drop functionality
- ✓ **Integrate and Embed**  
Boeing acquired the capability to integrate and embed Dundas BI into their existing business systems
- ✓ **Ease-of-Use**  
Quick learnability by end-users
- ✓ **Extensibility**  
Full API support, plug-ins and in-app scripting allowed for greater flexibility

