



- Reduce scrap, improve first pass yield, and ramp up production volume
- Boost operational readiness
- Minimize downtime of valuable assets
- Expedite root cause analysis
- Ensure full inspection compliance
- Fully customized to your workflow

### MINE BIG DATA FOR THE INSIGHTS YOU NEED—FAST

Inspection, maintenance, and manufacturing data contain a wealth of valuable information, but knowing where to look is like searching for a needle in several thousand haystacks.

The **NLign Analytics** platform puts you back in control by visualizing every data set you need to manage. Just as Google Maps pinpoints millions of locations, images, and real-time traffic reports on a virtual map of the world, **NLign™** software uses an intuitive 3D environment to collect, organize, archive, and analyze massive amounts of diverse data.

This breakthrough approach dramatically reduces analysis time while revealing hidden relationships and trends, helping you identify and act on critical information quickly.

### HERE ARE JUST A FEW OF THE BENEFITS NLIGN USERS ALREADY ENJOY:

- Dramatic time and cost savings
- Reduced paperwork and red tape delays
- Fast, accurate damage location
- Improved first pass yield and reduced scrap
- Fast confirmation of full non-destructive inspection (NDI) coverage
- More efficient use of engineering time
- “Big picture” data management
- Secure, centralized archiving of new and legacy data
- Easy integration with popular data formats (including paper)
- Plus many more efficiency improvements in a familiar digital environment designed specifically for the unique challenges of carbon composites



**“[NLIGN] WILL SIGNIFICANTLY STREAMLINE OUR ENGINEERING PROCESS BY ELIMINATING MANY TIME-CONSUMING TASKS.”**

—Chris Root, Advanced Aircraft Technology Team Lead, Naval Air Systems Command (NAVAIR)



### REVOLUTIONIZING CARBON COMPOSITE MANUFACTURING

**Nlign** can automatically collect manufacturing process data from NDI equipment, digital images, SAP systems, paper forms, and other process data. Sophisticated mapping tools make this consolidated data archive easy to view and analyze in two- and three-dimensional formats, dramatically reducing the time needed for reporting, trending, and coverage checking. First pass yield improvements and other cost reductions realized by current partners suggest that **Nlign Analytics** software offers a savings of as much as \$5–\$10 million per year.

### ELIMINATE COSTLY DOWNTIME AND SPEED MRO

Digital photos from most modern cameras can be mapped to 3D models automatically to precisely pinpoint damage and export location data to structural analysis packages such as PATRAN. Damage location tasks which once required days can now be completed in one or two hours. This innovation alone is already saving the US Navy more than \$1 million in labor costs per year for just one type of aircraft.

**Nlign** also makes it easy to analyze repair data for multiple aircraft, helping engineers identify preventive maintenance opportunities, monitor trends, and improve the overall health of any aircraft fleet.

### FLEXIBLE OPTIONS TO MATCH YOUR WORKFLOW

No matter how large or small your organization is there's an **Nlign** configuration that's right for you. **Nlign** for Enterprise supports a full team by providing a central repository for shared data that's easily accessible on-site or via a virtual private network (VPN) connection. Only have one or two team members who need data access? The stand-alone **Nlign Application** gives you all the tools of **Nlign** for Enterprise on a single computer. A cloud-based hosted solution is also available, storing your data securely offsite while making it available to your team nearly anywhere in the world.

### WEAVING THE DIGITAL THREAD

**Nlign** is designed to be a core fiber in the Digital Thread, a powerful collaborative connection between OEMs, suppliers, MRO providers, and end users. By enabling real-time monitoring of manufacturing equipment and data-driven feedback from the entire life cycle, **Nlign** will enable rapid problem prediction, life cycle validation, and other process improvements.

### TAKE BACK CONTROL OF YOUR DATA TODAY

**Nlign Analytics** welcomes the opportunity to make big data work for your organization.

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**FOR MORE INFORMATION ON NLIGN OR TO SCHEDULE A DEMONSTRATION,  
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