

DIGITAL WORK INSTRUCTIONS

LIBRESTREAM INDUSTRY BRIEF

This brief will give you a quick overview of digital work instructions and examples from multiple industries on how they are leveraging this digital transformation technology.

For further support, please contact info@librestream.com





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WHAT ARE DIGITAL WORK INSTRUCTIONS?

Digital work instructions guide workers through step-by-step or form-based processes displayed on their mobile or wearable device. Transform your paper-based manuals, procedures, and forms into digital work instructions for increased accuracy, operational efficiency, improved worker safety and accurate audit trails.

TOP 10 REQUIREMENTS

1	Device Agnostic	Works on smartphones, tablets, wearable devices
2	Online & Offline Modes	Perform work instructions even when there is no connectivity
3	Schedule Jobs	Schedule tasks/jobs for users or groups
4	Easy Builder	Drag-and-drop builder, no code required
5	Data Dashboards	Build powerful data dashboards for analysis
6	Remote Expert Call	Instantly engage with remote experts when needed
7	Interoperability	Integrate into existing systems via APIs and data sources
8	Custom Reporting	Generate custom reports for team members or customers
9	Digital Sign Off	Confirm tasks/jobs have been completed
10	Automatic Data Capture	Capture time, date, and geo-stamp for future analytics





WHAT'S DRIVING ORGANIZATIONS TO DIGITIZE?

EXPERTISE SHORTAGE

Across industries, enterprises identify the upcoming expertise shortage as a top issue. As the baby boomer generation retires and millennials join the workforce, enterprises are struggling with the resulting knowledge gap. Organizations must find ways to leverage these experts and institutionalize their knowledge now.

COMPLEXITY OF ASSETS

The increasing complexity of equipment and processes come with the need for highly specialized service teams. The advancement of these technologies also requires ongoing collaboration between vendors and customers to maintain and optimize assets in the field.

PANDEMIC SAFETY REQUIREMENTS

As organizations navigate the impact of COVID-19, safety requirements have increased the demand to capture, document and maintain a record on worker safety procedures.





INDUSTRY USE CASE: **MANUFACTURING**

SITUATION

- Leading industrial equipment manufacturer
- Project to install IoT sensors on 5,000 assets globally
- Install took 4 hours/asset using a 70-page reference manual

SOLUTION

- Converted paper to an Onsight work instruction
- Technicians used Onsight on a RealWear HMT-1 for a hands-free guided process
- Captured digital assets and data related to the install

RESULTS

- Install time reduced dramatically to 40–60 minutes/asset vs. 4 hours

**Saved \$450k /
15,000+ Hours**





INDUSTRY USE CASE: **AUTOMOTIVE**

SITUATION

- Division in the world's largest automotive supplier
- Thousands of car components are sprayed, assembled and processed everyday
- Paint quality issue was found

SOLUTION

- Used digital work instructions software
- Was able to quickly go back through data captured on digital work instructions and trace the source of the problem

RESULTS

- Created more visibility to ensure accurate audit trails

Saved over tens of thousands of dollars in having to re-work down the production line





INDUSTRY USE CASE: **SHIPPING & MARITIME**

SITUATION

- Large shipping and maritime company
- Challenge with accuracy of spare parts stock check
- Aim to cut high costs of poor stock management on vessels.
Breakdown of a vessel could have significant financial penalties

SOLUTION

- Used work instructions software on smartphones, paired to barcode scanners
- Customized cloud-based data dashboard to see real-time data capture
- Stock check linked to ship server systems with auto reports on status, time taken etc...
- Ship to shore data transfer and integration to asset mgt systems

RESULTS

- Scanned 1500 parts in 350 locations in less than 2 days

Saved \$6M due to accurate stock management and improved staff resources





INDUSTRY USE CASE: **OIL & GAS**

SITUATION

- Leading oilfield service provider
- Needed to increase efficiency of inspections and reduce production downtime
- Aimed to create a better overall data visualization to improve decision making
- Improve staff experience with better inspection tool

SOLUTION

- Used work instructions software on wearable & tablet
- Remodel processes to improve accuracy and speed with in-step guides and auto reporting
- Call remote experts in mid-workflow to immediately resolve problems
- Integrate to existing ERP job management systems

RESULTS

- Improved reporting and visibility for audits with auto reports and data analytics

250% improvement in inspection efficiency





INDUSTRY USE CASE: **AEROSPACE**

SITUATION

- Aerospace MRO company
- Needed tools to manage short timelines to complete inspections and prepare work order proposals
- Reduce time to complete inspections and reports with clear audits, visibility and evidence of work
- Improve staff training

SOLUTION

- Remodel Inspection processes to run on tablets and wearable devices
- Incorporate all important technical data and tolerance guides for Pass/Fail from the OEM (was in a 30-page document)
- Create reports for customers and internally for customer liaison team to produce repair proposals
- Integrate to existing ERP job management systems

RESULTS

- Avoided penalty charges from customers by achieving required turnaround inspection to proposal timelines

Reduced time to complete inspections by 120%





ABOUT LIBRESTREAM

Librestream pioneered the digital transformation capability of remote expertise for the industrial worker, improving worker safety, reducing costs, and accelerating service and efficiency.

Our Onsight Augmented Reality Platform powers the AI Connected Expert of the future for informed and improved decision-making in the field. Proven and battle-tested, Onsight is the most widely deployed and used industrial AR platform on the market.

AN ONSIGHT CALL
IS MADE EVERY

3
SECONDS

ONSIGHT IS
DEPLOYED IN

120
COUNTRIES

STRONG
ADOPTION GROWTH

503[%]



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