The **only** software platform that eliminates paper and creates offline & online **Industrial-strength enterprise mobile apps**

in **less than 1 hour to 1 or 2 days (for very complex forms)** vs a **least a month** for competitors

In addition, once deployed these apps can be modified virtually instantly with no need to incur the lengthy delays required by other solutions which require apps to be rebuilt.
Enterprise Grade Offline-capable Apps That Integrate With Backend Databases And Systems Of Record And Built Very Rapidly In Alpha Transform

• [Examples Of Apps Built Using Alpha Transform Are Shown Here](#)

• [More Examples Are Shown Here](#)
It combines:

1) The development speed of mobile forms platforms and

2) The power of low-code mobile development platforms to ensure that one will not run out of power before the full business requirements can be met

It is very realistic to be able build and modify "complete solution" mobile field-worker (anyone who works standing up) apps with Alpha TransForm and do so *extraordinarily* quickly.

A recent webinar outlining these capabilities by using a specific example *can be found here*
Who can benefit from Alpha TransForm

- **Professional developers** are adopting TransForm because of its unique power and extraordinary productivity, and then, if they need to build web apps and dashboards or very specialized mobile capabilities, the work done in TransForm can be extended through Alpha’s top-rated low-code mobile and web development deployment platform **Alpha Anywhere** (which is in the same category as Outsystems, Kony Mendix.)

- **Power users in business units** are also benefitting from TransForm by being empowered to build enterprise mobile apps themselves and are able to leverage their domain experience
  - A three-minute video [overview is shown here](#)
  - A sophisticated example is shown here
  - Tutorial ([written and video](#))

Other examples
- **patient intake** (time to build 4 hours)  **safety checklist** (time to build 2 hours)  **Fire Inspection** (11 minutes to build)
- **surgery** (time to build 2 hours)  **medical research** (time to build 2 hours)
Benefits of replacing paper with an Alpha TransForm yields very tangible ROI

1) **Eliminates need to re-enter data and increases speed of data entry including bar code lookups**
   Saves money

2) **Improves accuracy and reduces data entry and then re-entry errors**
   Saves money lost because of mistakes and reduces legal liability

3) **Ability to act on information collected sooner**
   Provides better service and customer satisfaction. Also in many use cases, increases safety

4) **Ability to create management and analytics dashboards**
   Allows for better utilization of human resources

5) **Allows richer data (audio, GPS, drawings, images with annotation etc.) to be captured**
   Ensures more complete information is collected

6) **Allows content such as instruction manuals, repair videos, blue prints and diagrams to be available to field workers on their mobile devices even if there is no connectivity**
   Ensures workers are always dealing with most up to date content and improves their work experience
What kind of kinds can be built

Construction & Mining
- Punchlists
- Building Inspection
- Equipment Inspection
- Mobile
- Construction ERP System
- Project Management and Control
- Real Estate
- Safety Inspection

Healthcare & Pharma
- Animal Care
- Clinical Trials
- Insurance Audits
- Medical History
- Patient Experience
- Patient Screening
- Physical Therapy
- Research

Manufacturing
- Compliance
- Equipment Inspection
- Distributor Sales
- Field Sales
- Inventory Management
- Quality Control
- Safety Inspection

Oil, Gas & Energy
- Exploration
- Maintenance
- Incident Reporting
- Plant Construction
- Pumpjack Inspection
- Site Inspections
- Work Orders
- Safety Checklists

Education
- School Directory
- Incident Reporting
- Research Apps
- Polling Apps
- School Forms
- Sports Analytics Apps

Government
- Emergency Response
- Incident Reporting
- Permits and Renewals
- Public Services
- Registration

Transportation
- Field Service
- Contract Development
- Field Sales
- Dispatch
- Fleet Management
- Maintenance

Telecommunications
- Field Service/Repair
- Onboarding/Training
- Order Entry
- Carrier Finder
We built Alpha TransForm because the three development methods currently available for building enterprise mobile apps all have serious drawbacks.

They either

- Offer high certainty that the business requirements can be met, but take too long and cost too much to build,

  or

- They allow apps to be built quickly and cost effectively but do not offer certainty that the app will meet the business requirements.

<table>
<thead>
<tr>
<th>Development Method</th>
<th>Time to build</th>
<th>Cost to Build</th>
<th>Empowers Business Unit Workers and Leverages their domain knowledge</th>
<th>High certainty that all requirements can be met</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Native</strong> Build apps using the native coding-intensive approaches</td>
<td>Months</td>
<td>High</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Low Code</strong> Build apps using low code platforms</td>
<td>Weeks</td>
<td>Medium</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>No-Code Only</strong> Mobile Forms and Development Platforms</td>
<td>Hours</td>
<td>Low</td>
<td>Yes</td>
<td>no</td>
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</tbody>
</table>
Alpha TransForm was designed to overcome all the drawbacks of the existing development methods and allows enterprise mobile apps to be built in hours to 1-2 days vs at least a month needed by others.

Includes Standard Data Capture App Features
- Various Field Types (Text, Date, Signature, Location, Photo w/annotation)
- Connection to a Database
- User Interface – Responsive design
- Search / Sort / Filter of forms
- Authentication
- Android & iOS

And Advanced Data Capture App Features needed to ensure real world enterprise requirements can be met
- Advanced User permissions
- Programmability to provide full customizability
- Workflows, API, Webhooks, and Triggers
- Arbitrarily complex multi table data structures are supported
- On-line & Off-line support
- Look-ups; local against on-device SQL database and remote
- Advanced dispatch options and “on-submit” options after the data has been captured
- Management dashboards with analytics

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<tr>
<td><strong>No-Code</strong> very high productivity</td>
<td>Hours</td>
<td>Low</td>
<td>Yes</td>
<td>yes</td>
</tr>
<tr>
<td><strong>Additional Power features</strong> (TPL language, on-device SQL database, rich API, responsive layout and more) for power users and professional developers to ensure that complex apps can be built</td>
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</table>
Alpha TransForm was designed to handle all aspects in the workflow of typical enterprise mobile app requirements.

Data sits in a company’s system of record (SOR) such as Sharepoint, Salesforce, SAP, Oracle etc. or backend db’s.

Data sent back to SOR or backend db. Based on data collected, workflows/reports/invoices/work-orders/emails are sent.

Work to be done and work history is dispatched to field workers along with assets needed to do the work (repair manuals/videos, blueprints etc.).

When they are done and have connectivity they synch back to the Cloud.

Field workers may work offline or online and they capture all the information needed (GPS, time including elapsed time, measurements, audio, sketches, images with annotation, notes typed or via voice to text).
EIGHT Key capabilities that place Alpha TransForm in a class of its own compared to other ways of rapidly building enterprise mobile apps that replace paper forms

ONE  **TPL** - TransForm Programming language and extensive **API**

The programmability provided by TransForm is key to allowing developers to be confident that they will not run out of power.
An example Using TPL – Determination of a Pass/Fail Condition – Increases data entry speed and reduces the chance of an incorrect determination.
**TWO:** Storage of data/media files in a SQL lite database on the mobile phone, for online and offline lookups. Lookups (that leverage TPL and on device data) are a key capabilities that distinguishes Alpha Transform from competitive products. 

*Transform* dramatically increases field productivity delivering context relevant information to field works by enabling dynamic data look-ups when connected and on-device storage and look-up of data / media files from a SQL lite database on a smart device.

1. Scan Bar Code on Equipment
2. Data look-up populates detailed information into form
3. Relevant maintenance records, repair manuals, and other data / media files made available to field technician at moment of need

**THREE:** Responsive layout allowing for multiple fields on a line depending on screen size, and special mobile optimized controls
FOUR: Seamless integrations with digital workflows; systems of record; and web services

FIVE: Ability to work with complex data structures (parent, child, grandchild, sibling, etc.) without the developer having to worry about the data structure
SIX: Ability to have highly customized management dashboard that can take advantage of alpha’s, powerful query tools along with custom reporting and mapping.
SEVEN TransForm: Enabling Digital Workflows

- Work performed
- Data captured
- Data upload

[Diagram showing the process flow:
  - Work performed
  - Data captured
  - Data upload
  - TransForm backend
  - TransForm: Enabling Digital Workflows
  - Examples:
    - Transfer form to team supervisor for verification and signing
    - Create new hazard report form in case dangerous conditions were reported in site survey
    - Email invoice to specific customer visited, showing work performed
    - Send SMS alert to supervisor when inspection results are outside the norms
    - Store field work data in company ERP system SQL database
  - Configure automatic conditional actions as data is submitted
    - Route captured form to other user for QA/approval/completion
    - Create and assign new form as a result of a submitted form
    - Email custom report of captured data
    - Trigger an API call to an external system
    - Store data in external database]
EIGHT: If one needs to go beyond mobile forms, Alpha TransForm can leverage the full power of Alpha Anywhere, which is a leading general purpose low code platform for building and deploying web and mobile applications.
TransForm was designed to meet real-world enterprise requirements.

Solve Problems and Deliver Business Value

• Reduce backend processing; replace paper forms, eliminate the time, cost and errors associated with rekeying information; speed data driven decisions and allow action to be taken sooner

• Be built easily and quickly to meet very specific requirements and be updated as easily without a new development effort

• Reduce time spent on-site collecting data while enhancing accuracy of data collection through real time data validation

• Take full advantage of built-in capabilities of smart-devices; work on-line and off-line
Easily Add Powerful Integrations, Workflows and Customizations

Easily access any existing data store. Integrate with existing systems of record or digital workflow, or connect to over a thousand popular web services.

- Retrieve online and offline data, perform complex calculations and data analysis
- Create sophisticated reports and output data in digital and paper formats
- Set up auto-scheduling, SMS and email messaging, and IOT sensor monitoring and action triggering
- Create pixel perfect apps with full CSS support
Satisfy Critical IT Requirements

Includes the features and functionality required by IT to customize and securely integrate with existing systems of record, complex workflows, and enterprise dashboard and reporting systems.

- Simplified integration and real-time data exchange with connectors, web hooks, and an extremely rich API
- Enterprise security that meets corporate data and regulatory requirements
- Flexible on-premise or cloud deployment options, with complete control over where data is stored
- Full programmability: apps without limits

Provides IT complete flexibility to fully customize or enhance any business app to meet demanding enterprise requirements.