

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](#)

- **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)

- 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

Development Method	Time to build	Cost to Build	Empowers Business Unit Workers and Leverages their domain knowledge	High certainty that all requirements can be met
<b>Native</b> Build apps using the native coding- intensive approaches <small>Apps can only be built by profession developers</small>	Months	High	No	Yes
<b>Low Code</b> Build apps using low code platforms <small>Apps can only be built by profession developers</small>	Weeks	Medium	No	Yes
<b>No-Code Only</b> Mobile Forms and Development Platforms <small>Apps can be built by non tech people</small>	Hours	Low	Yes	no



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

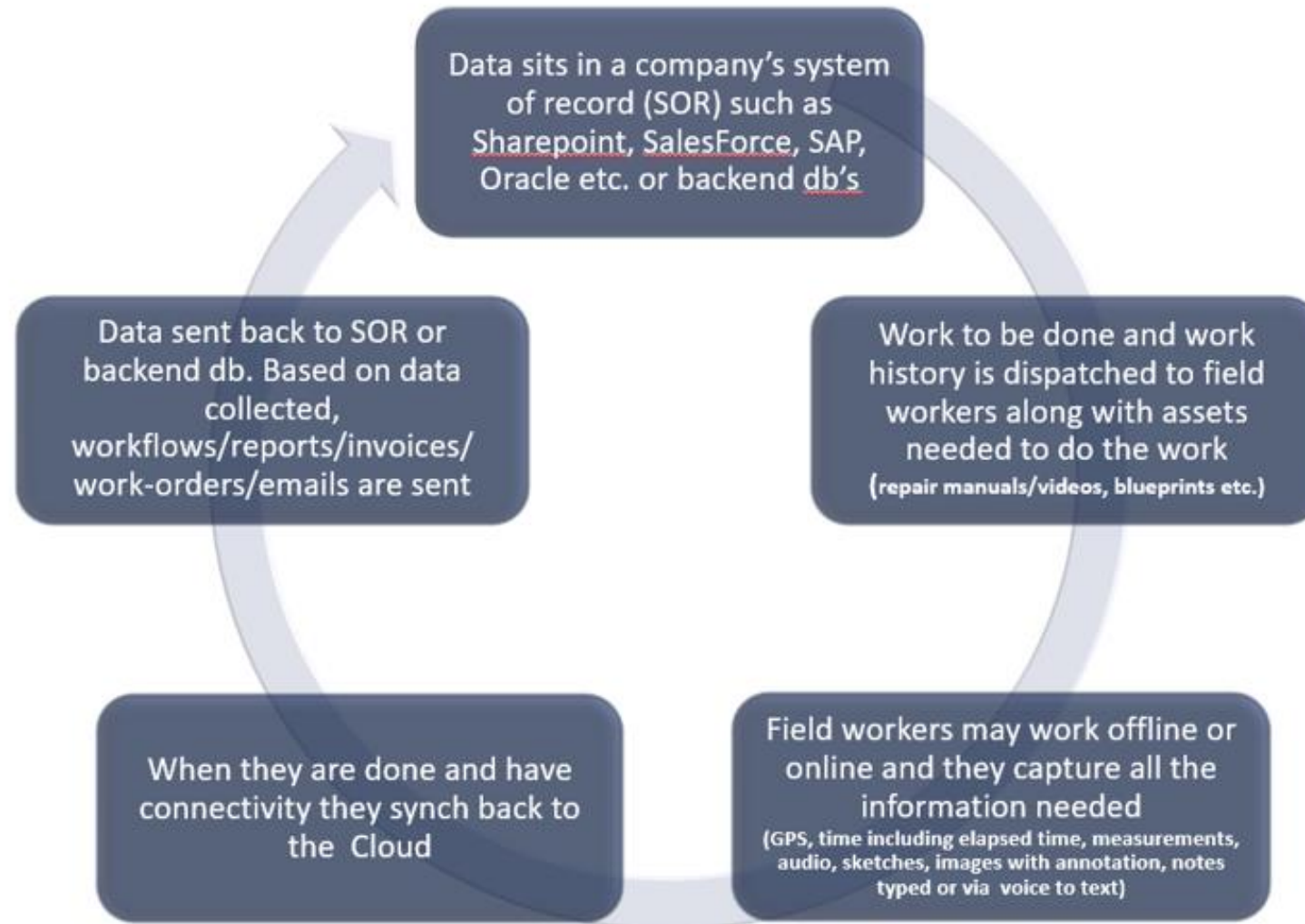
**And Advanced Data Capture App Features needed to ensure real world enterprise requirements can be met**

- 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

Development Method	Time to build	Cost to Build	Empowers Business Unit Workers and Leverages their domain knowledge	High certainty that all requirements can be met
<b>No-Code</b> very high productivity <b>Additional Power features</b> (TPL language, on-device SQL database, rich API, responsive layout and more) for power users and professional developers to ensure that complex apps <b>can be</b> built	Hours	Low	Yes	yes



# Alpha TransForm was designed to handle all aspects in the workflow of typical enterprise mobile app requirements



# 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



### Transform Programming Language

Ability to add powerful client side (offline) calculations and behaviors. Also provides an easy method to interface with off device web services.



Transform App



Data Input Validation

Verify Value  
Verify Range  
Check input limits  
Compare with other values that are stored on the phone or on an external web service.



Web API Integration

Call web service for selection info.  
Call web service to validate value  
Call web service to push data.



Work Flow Process Enablement

Manager form "State"  
Trigger actions based on "State"  
Compare and direct "State" based on form data.



Calculations

On device calculated fields.  
Calculate limits for validation.  
Perform complex on device calculations.



Advanced User Interface Behaviors

Dynamically update user interface based on user actions/form data.  
Enable/Disable functionality based on user actions/form data.

# An example Using TPL – Determination of a Pass/Fail Condition – Increases data entry speed and reduces the chance of an incorrect determination

The screenshot shows a mobile application interface for 'Equipment Inspection'. It features a list of steps (Step 4 and Step 5) and a data entry table for transmitter calibration. The table has columns for '% of span', 'UNITS (mmH2O)', 'Actual Input (mmH2O)', 'As found (mA)', 'Calibration Min/Max (mA)(-/+2%)', 'Failure Min/Max (mA)(-/+5%)', and 'PASS/FAIL'. The 100% row is currently active, with the value '19.1' entered in the 'Actual Input' field. Annotations with red boxes and numbers 1, 2, and 3 highlight the input field, the failure limits (19.20/20.80), and the resulting 'FAIL' status, respectively. Below the table, there are instructions for Step 8 and fields for 'Failure Code' (25) and 'Calibration Required' (Yes). A blue arrow points from the 'Calibration Required' field to the 'FAIL' status.

% of span	UNITS (mmH2O)	Actual Input (mmH2O)	As found (mA)	Calibration Min/Max (mA)(-/+2%)	Failure Min/Max (mA)(-/+5%)	PASS/FAIL
0%			3.8	3.68/4.32	3.20/4.80	PASS
50%			10.9	11.68/12.32	11.20/12.32	FAIL
100%		19.1	19.1	19.68/20.32	19.20/20.80	FAIL

Annotations:  
1: Entering a measurement (points to 19.1)  
2: Checks it against Min/Max limits (points to 19.20/20.80)  
3: Automatically determines Pass/Fail (points to FAIL)

Step 8: If the calibration test failed the test enter the failure code, repair the transmitter and re-test the transmitter as in Step 6. If the calibration test fails the calibration accuracy, repair the transmitter and test in Step 9. If no failure and within calibration, the test is complete.

Failure Code: 25  
Calibration Required: Yes

**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*

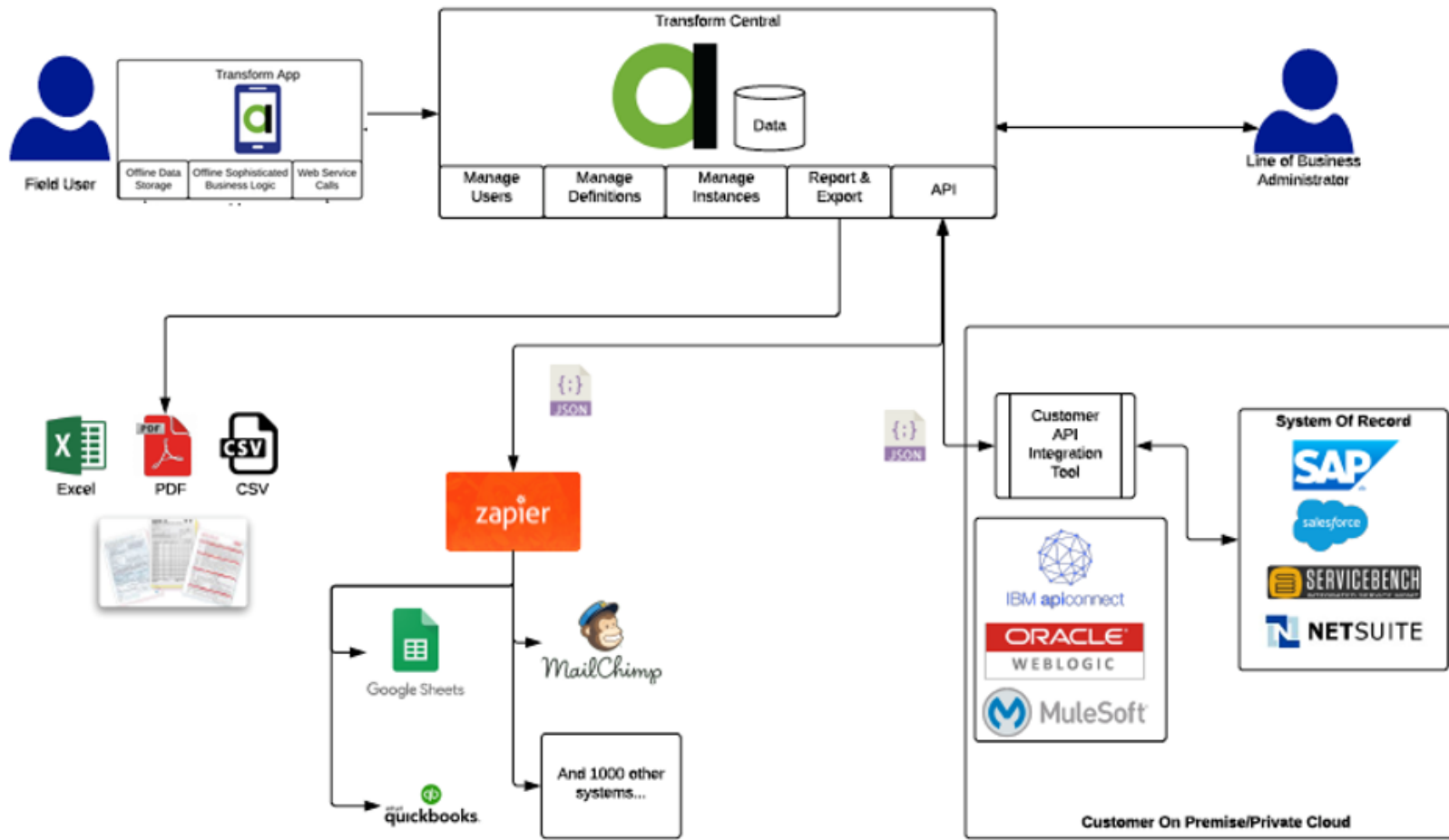


1. Scan Bar Code on Equipment
2. Data look-up populates detailed information into form
3. Relevant maintenance records, repair manuals, and other data / media files made available to field technician at moment of need

MODEL		TP-Y20-T4I-60	
Triton Power is a world leader in the design, manufacture of stationary, mobile and rental generator sets and Power Modules from 10 to 2000 kW. Through our commitment to quality we manufacture with only the highest quality components from companies like Cummins, John Deere, Perkins, Marathon, and Deep Sea. All of this plus our worldwide warranty, customer service professionals, is why Triton is the <b>THE POWER OF QUALITY</b>			
Available Voltage	Single Phase	Standby	17 kW / 17 kVA
3 Phase - Single Phase	Prime		15.5 kW / 15.5 kVA
120/240, 120/208, 277/480	Three	Standby	17 kW / 21 kVA

**THREE:** Responsive layout allowing for multiple fields on a line depending on screen size, and special mobile optimized controls

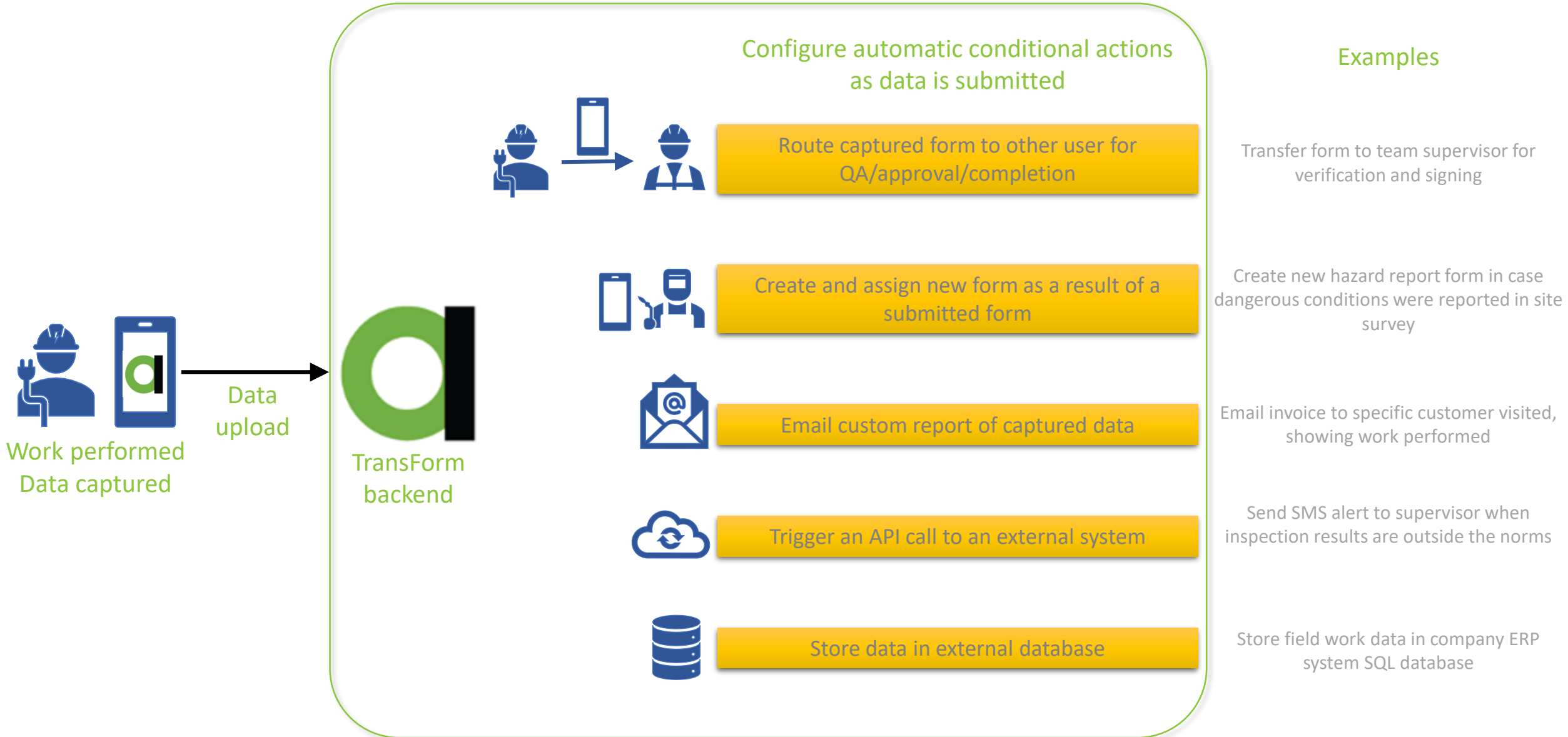
**FOUR:** Seamless integrations with digital workflows; systems of record; and web services



**FIVE:** Ability to work with complex data structures (parent, child, grandchild, sibling, etc.) without the developer having to worry about the data structure

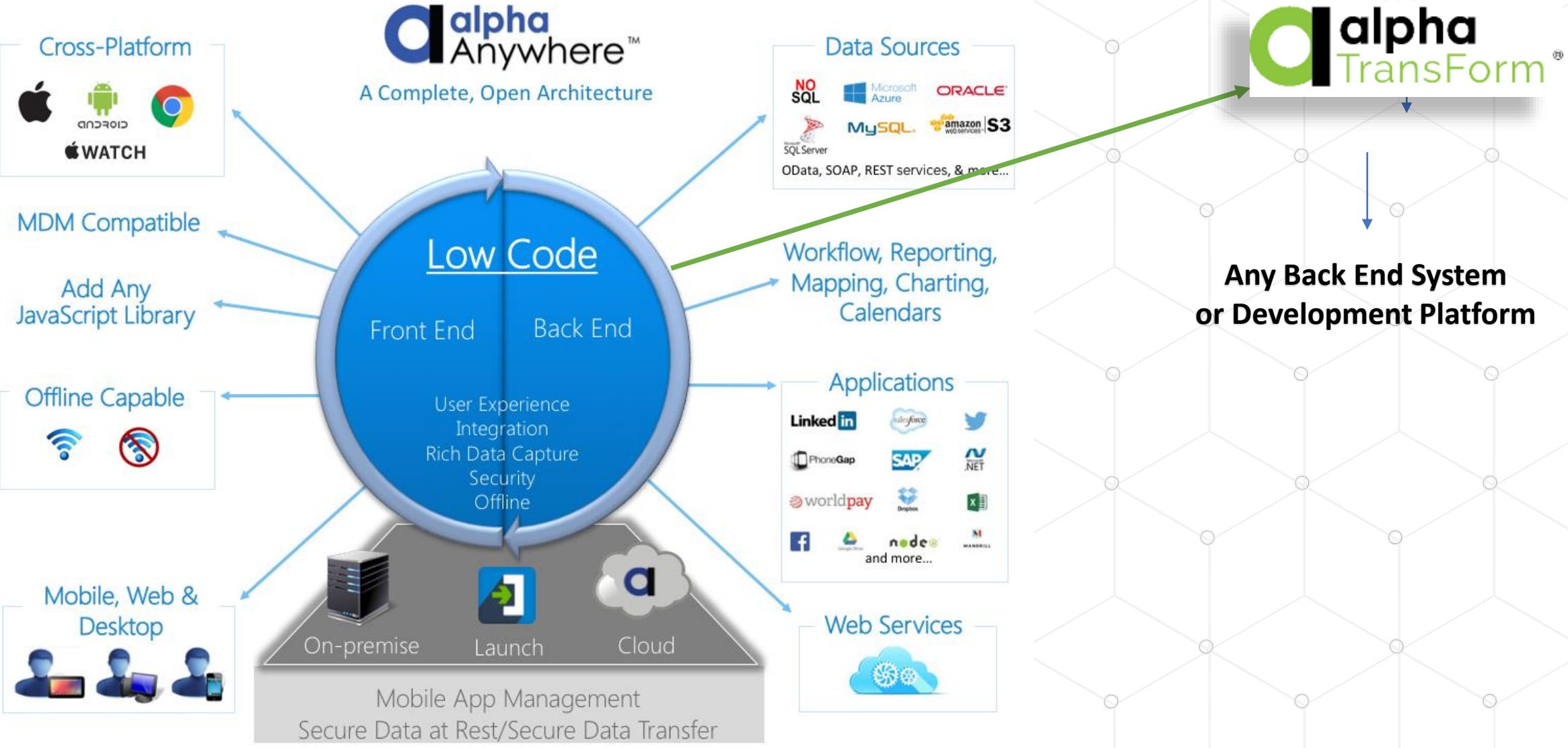








**EIGHT:** If one needs to go beyond mobile forms, Alpha Transform can leverage the full power of Alpha Anywhere, which is a leading general purpose low code platform for building and deploying web and mobile applications



Alpha Anywhere - Maximizes IT developers productivity, and turns regular developers into productive mobile developers in 3-6 weeks



*Business users and IT work together on one platform to get apps "without limits" built and deployed quickly, accelerating time to value.*

## 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



*Add powerful new mobile apps to extend your existing web-based business processes and workflows to field workers.*

## 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.*