

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

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

Examples of apps built very rapid in Alpha TransForm [are shown here](#)

[More examples are shown here](#)

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) [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
Native Build apps using the native coding- intensive approaches <small>Apps can only be built by profession developers</small>	Months	High	No	Yes
Low Code Build apps using low code platforms <small>Apps can only be built by profession developers</small>	Weeks	Medium	No	Yes
No-Code Only 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

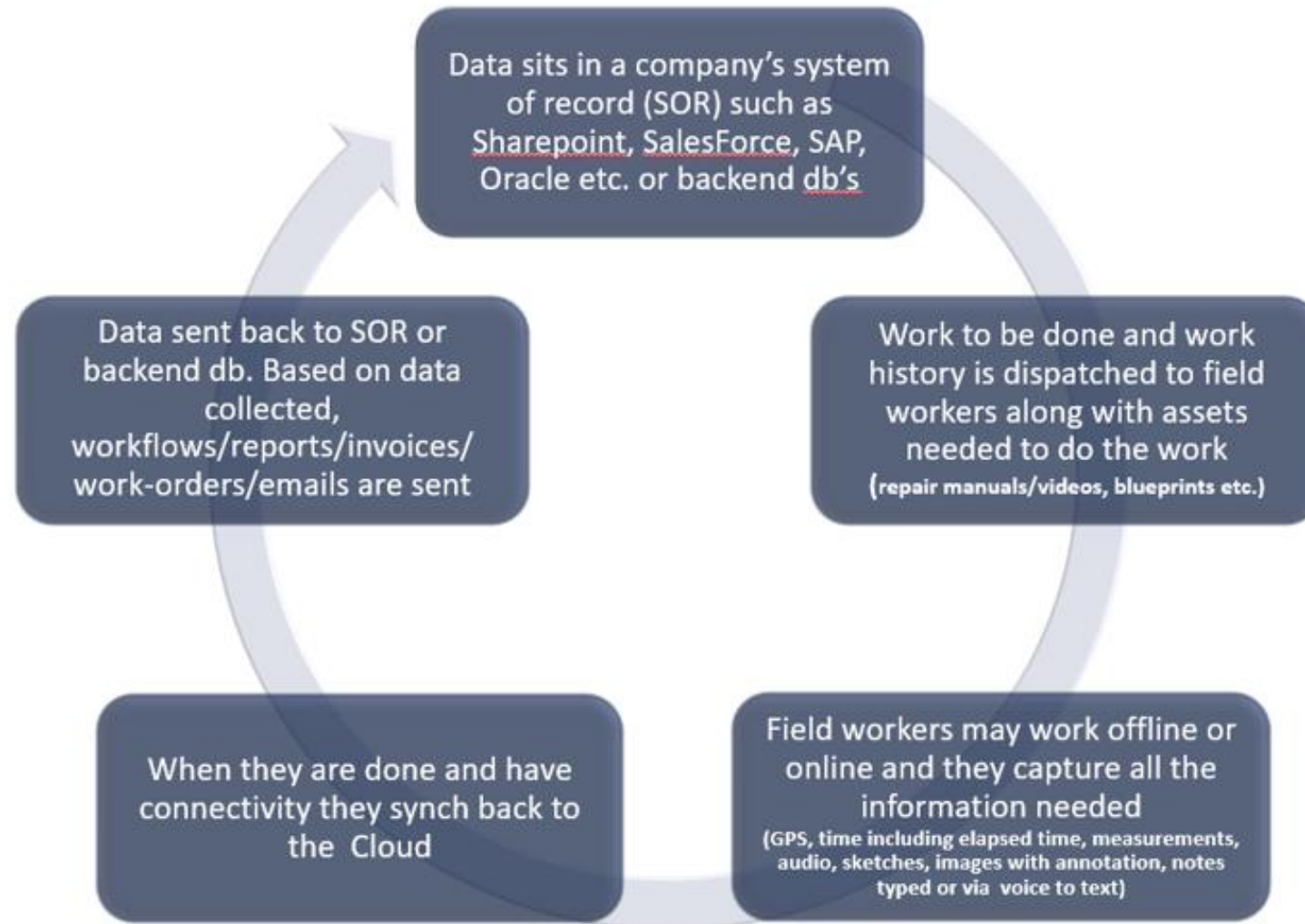
- Various Field Types (Text, Date, Signature, Location, Photo w/annotation)
- Connection to a Database
- User Interface – Responsive design
- Search / Sort / Filter of forms
- Authentication
- Android & iOS

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
No-Code very high productivity Additional Power features (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	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' column. 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

Entering a measurement **1**

Checks it against Min/Max limits **2**

Automatically determines Pass/Fail **3**

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

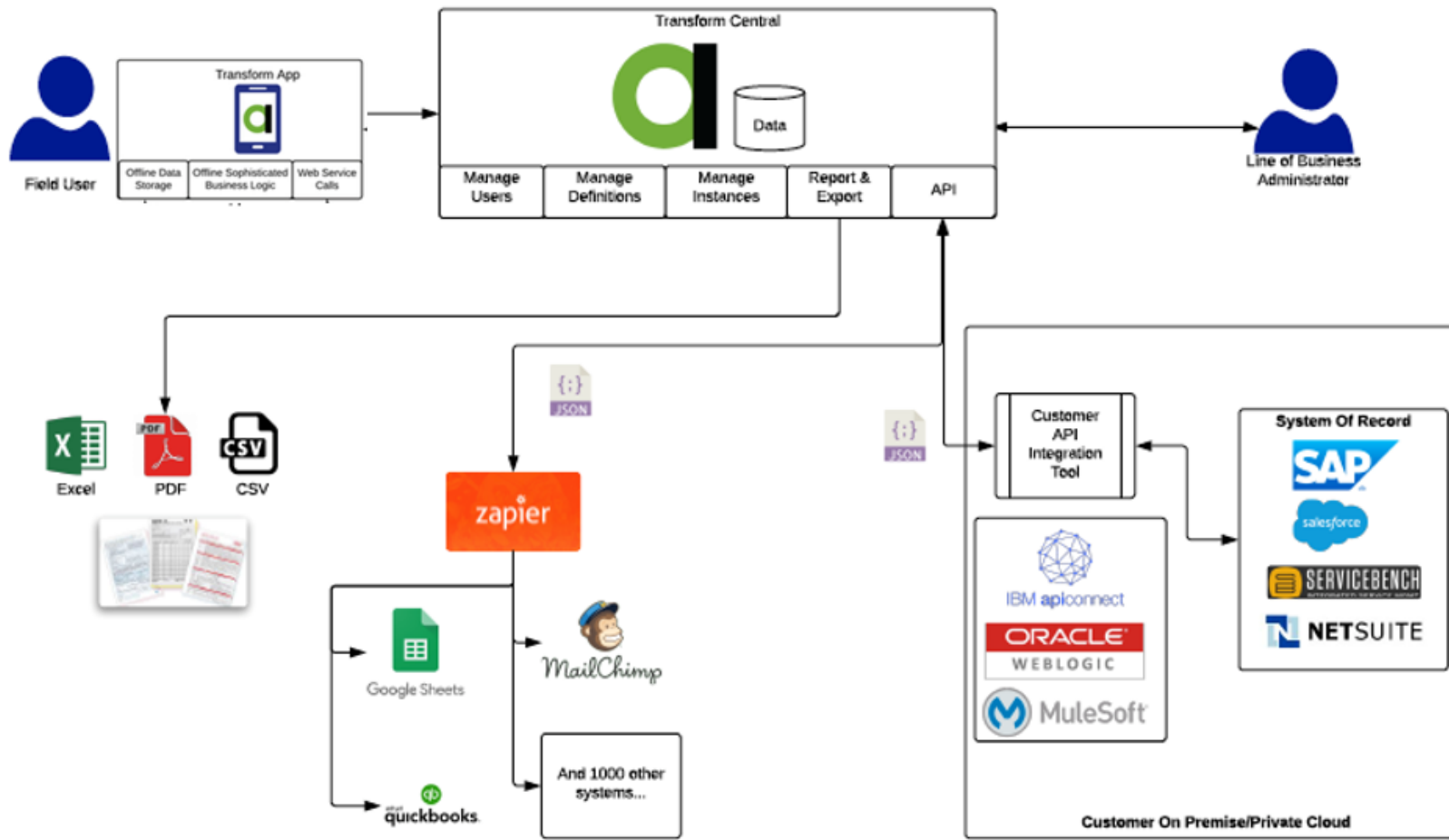


1. Scan Bar Code on Equipment
2. Data look-up populates detailed information into form
3. Relevant maintenance records, repair manuals, and other data / media files made available to field technician at moment of need

MODEL		TP-Y20-T4I-60	
Available Voltage	Single Phase	Standby	17 kW / 17 kVA
3 Phase - Single Phase	Three	Prime	15.5 kW / 15.5 kVA
120/240, 120/208, 277/480		Standby	17 kW / 21 kVA

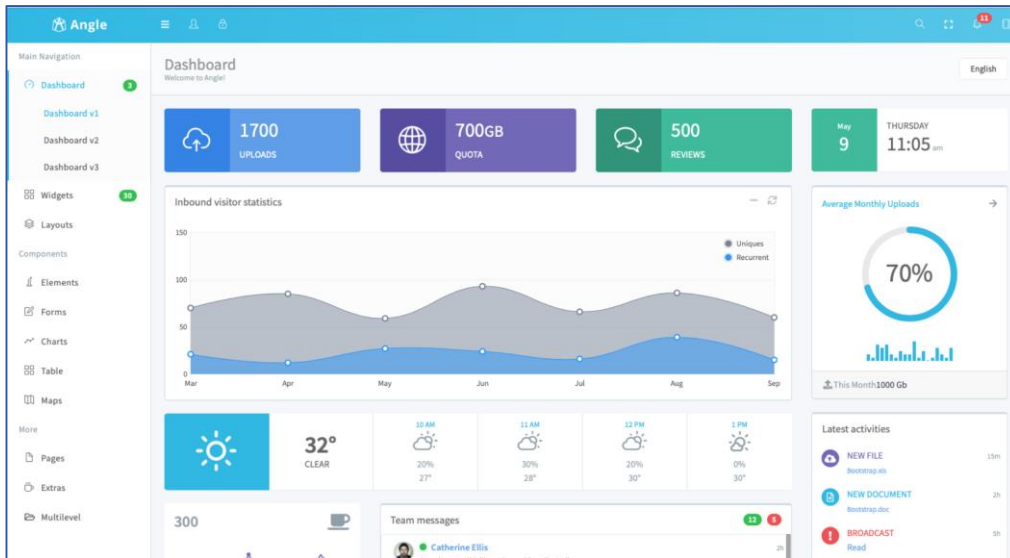
THREE: Responsive layout allowing for multiple fields on a line depending on screen size, and special mobile optimized controls

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

SIX: Ability to have highly customized management dashboard that can take advantage of alpha's, powerful query tools along with custom reporting and mapping



Custom PDF Reports

Equipment Inspection Form

Site Code: BOS0003 Date in: 2019-02-19 14:02 Date out: 2019-02-19 16:02
 Site Name: Highrise 1 City: Boston State: MA
 Address: 24, Part Str.

Equipment Inspected:

Equipment Type: Generator
Model: TP-YZD-T4-60
Description: 17 KW Yanmar Diesel Generator

Manufacturer: Yanmar
Serial Number:

GENERATOR CHECKLIST

Running hours: 1500
Fuel tank level: 50%

Start/Stop test:
Pass

Actions:
 Cleaned grounding
 Secured mounts

Equipment Type: Boiler
Model: BF1200-AG
Description:

Manufacturer: Worcester
Serial Number: 31115MCA660

BOILER CHECKLIST

Water gauge: Acceptable
Confirm

Stack temperature: 4885

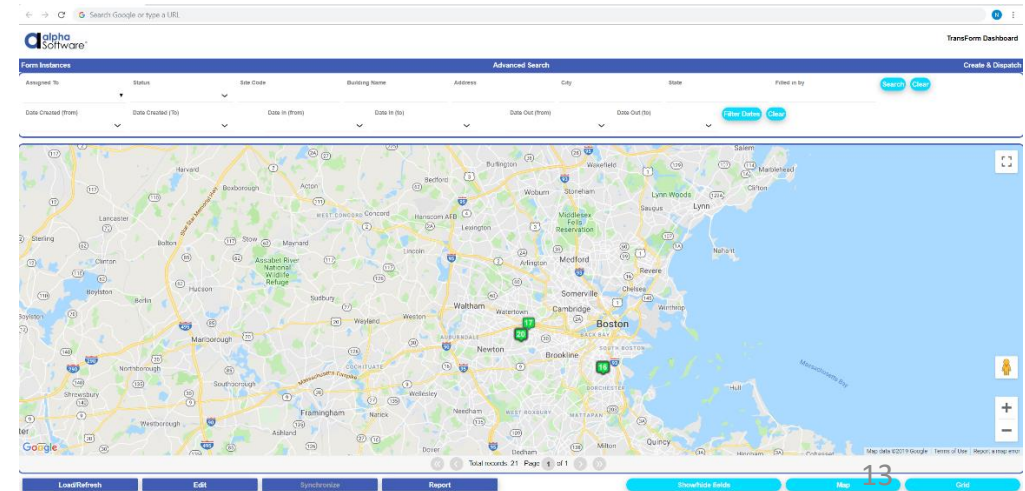
Clean piping: Done

Valve corrosion: Mild

Safety valve photo:

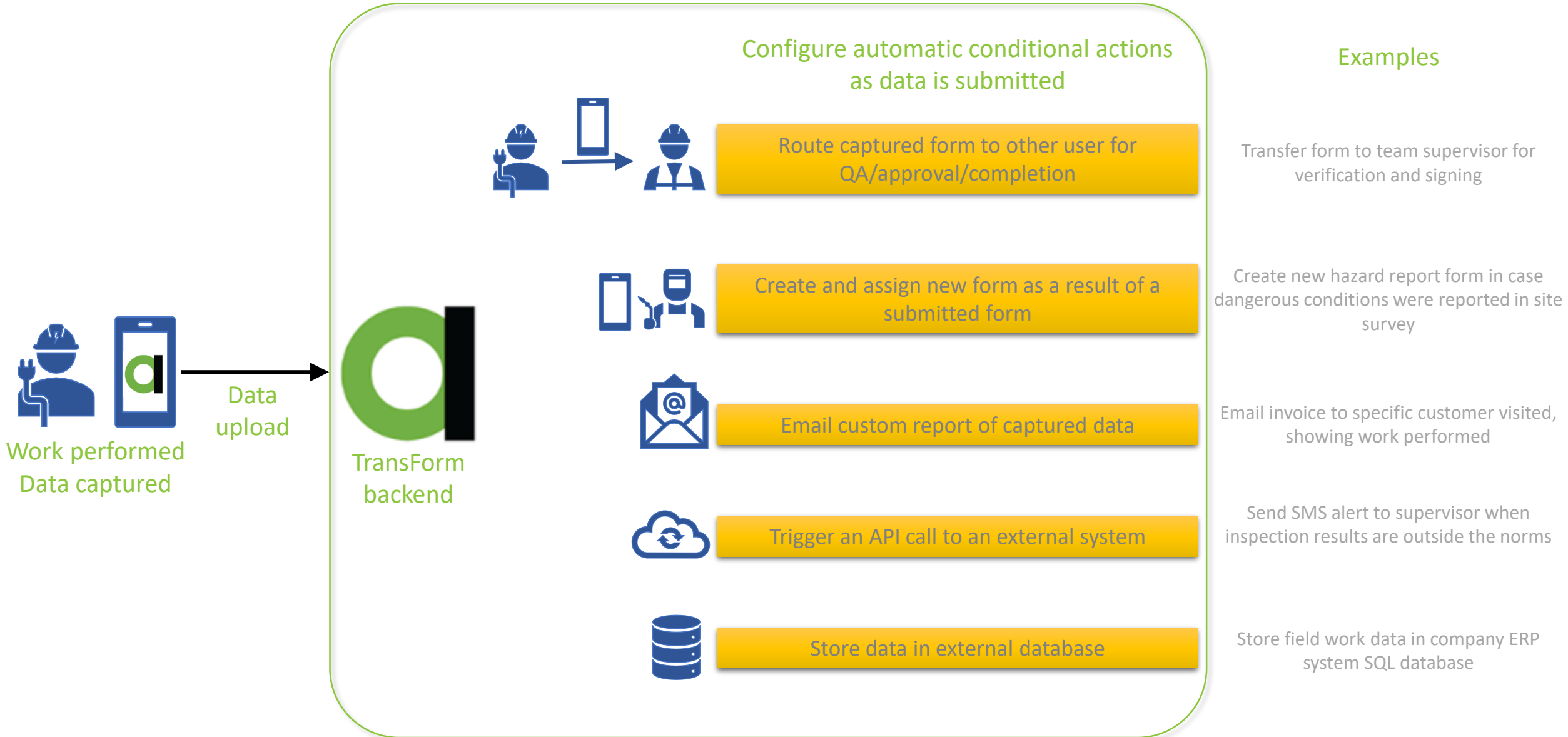
Actions:
 Replaced worn label

OPERATIONAL	STATUS	ASSIGNED TO	OPERATOR	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION
1716-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
2016-04-02 15:41:07	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
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1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
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1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000
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1816-01-11 11:02:01	OK	John P. Kelly	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000	10000000

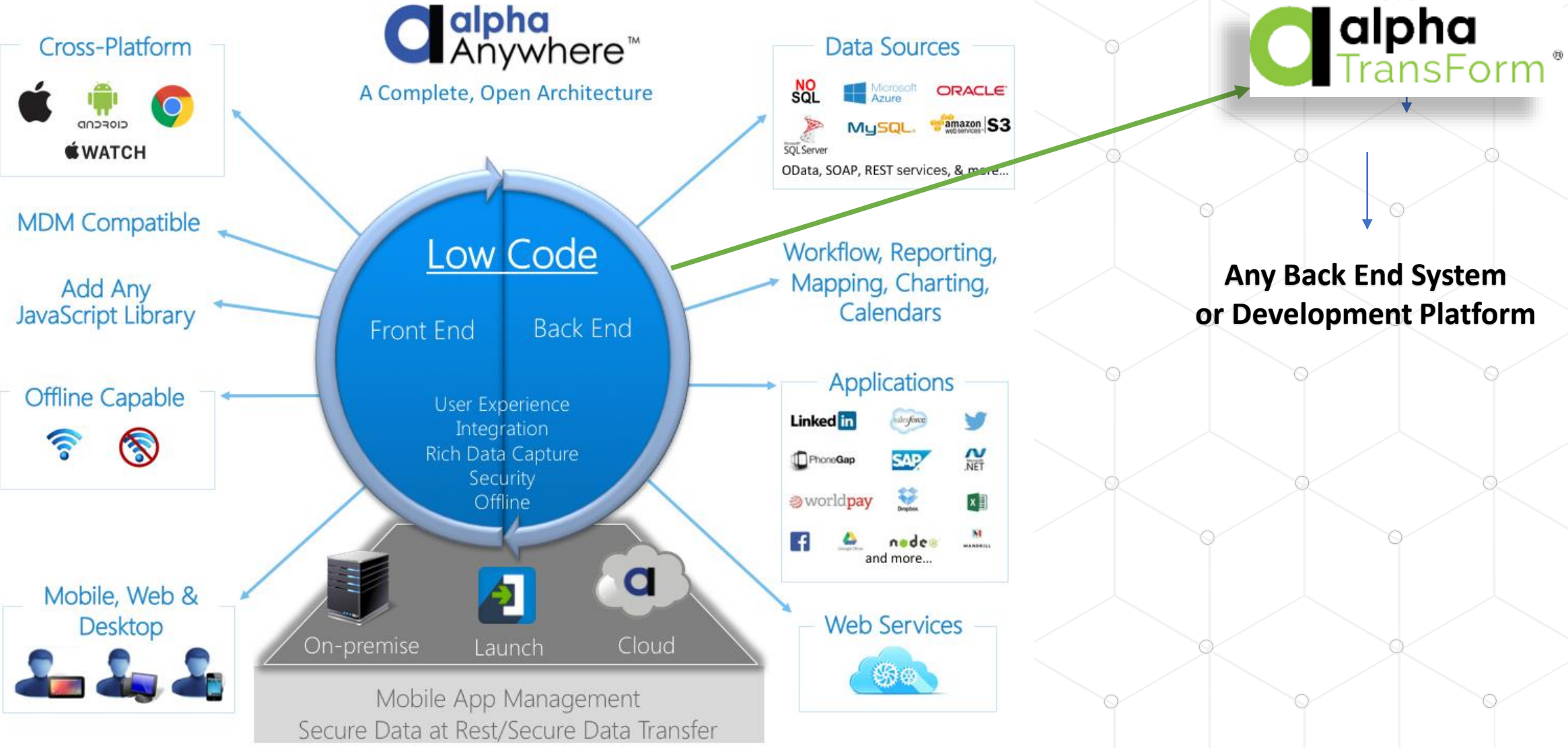


Dashboards/Dispatching

SEVEN TransForm: Enabling Digital Workflows



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.