

To be competitive, organizations in all industries must replace paper with mobile apps



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



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

But there is a serious backlog of mobile apps that need to be built!

**4.5 B
Workers
World-Wide**

**60 % are Mobile
Workers**
(People who don't
work at desks)

**20 M Enterprise
Mobile Apps Need
to be Built by 2023**
(Large Enterprises will need
1000-2500 apps)



What are the reasons for the backlog?

Mobile apps are much harder to build than desktop apps



- Need to work well offline
- Small screen
- Must exploit rich media & special hardware
- No keyboard
- No pointing device
- Less power than desktops

There is a critical shortage of enterprise mobile app developers

And.....



Current mobile app development options do not effectively address the problem (see appendix for more info)



TAKE TOO LONG/COST TOO MUCH

Low-Code Platforms

(Outsystems, Mendix, Kony etc.)

Can deliver enterprise-grade mobile apps BUT....

It can take months to build each app and
require skilled developers to use



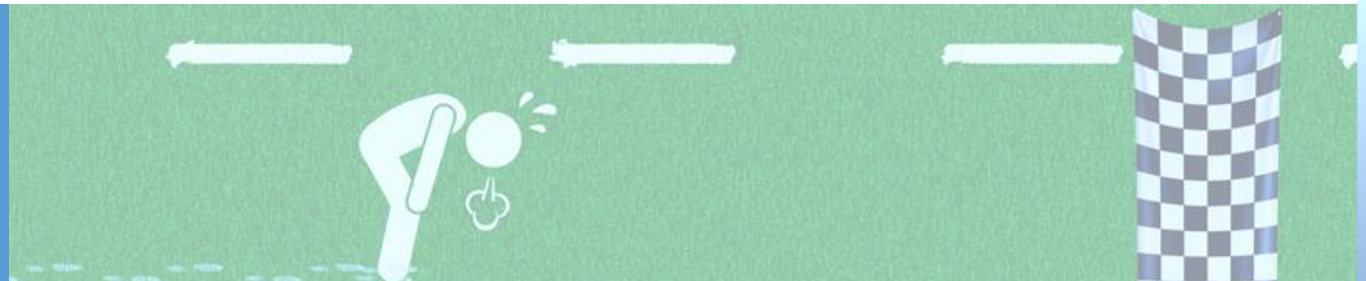
FAIL TO GET THE COMPLETE JOB DONE

Mobile Forms Platforms

(Prontoforms, GoCanvans, Device Magic etc.)

Have relatively quick development times BUT....

They do not have the power and versatility
to ensure the job can be completed



In response to this un-met need:

 was developed

It is the only platform that allows complete offline*-capable
enterprise grade mobile apps to be built and deployed in
hours vs months

[*Patent issued for comprehensive offline support October 2019](#)

[3 minute overview video](#)

[Video 2 minute video of an example mobile app built in 20 min](#)

[More video examples at the end of this document](#)

Dramatically Slashes the time needed
to build these applications
without compromising functionality

(Development time cut from weeks/months to hours)

Allows line-of-business people
to build the apps themselves
and leverage their domain knowledge

(Lessens the demands on IT)

What Are The Unique Differentiators Behind The Unique Power And Productivity Of Alpha Transform



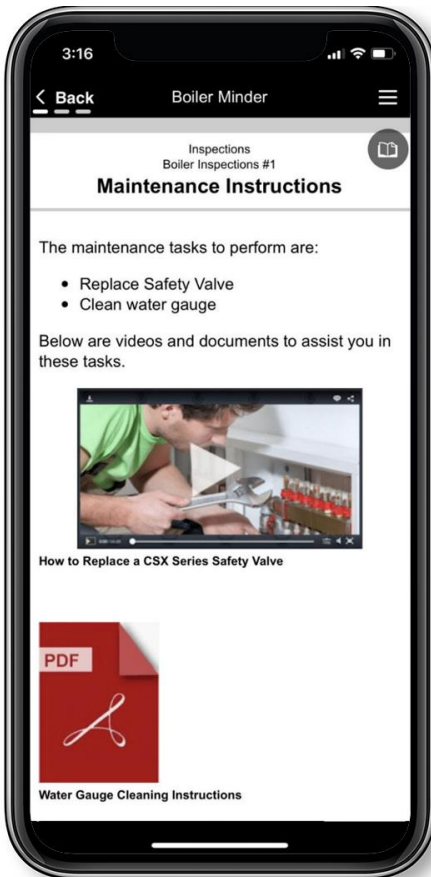
Now Consider The
7 Reasons
alphaTransform
Outshines
The Competition



1

TPL - TransForm Programming language

TransForm Programming Language (TPL) (which is optimized for TransForm) allows developers to build powerful client-side calculations, validations behaviors, and web service interfaces. With TPL one can be confident that you will not run out of the power to get the job done.



Data Input Validation

- Verify Value & Range
- Check Input Limits
- Compare with Stored or External Values



Web API Integration

- Call Web Service for Selection Info
- Call Web Service to Validate Value
- Call Web Service to Push Data



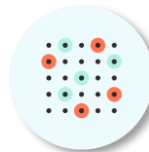
Workflow Process Enablement

- Manage Form 'State'
- Trigger Actions Based on 'State'
- Compare & Direct 'State' Based on Form Data



Calculations

- On-Device Calculated Fields
- Calculate Limits for Validation
- Perform Complex On-Device Calculations



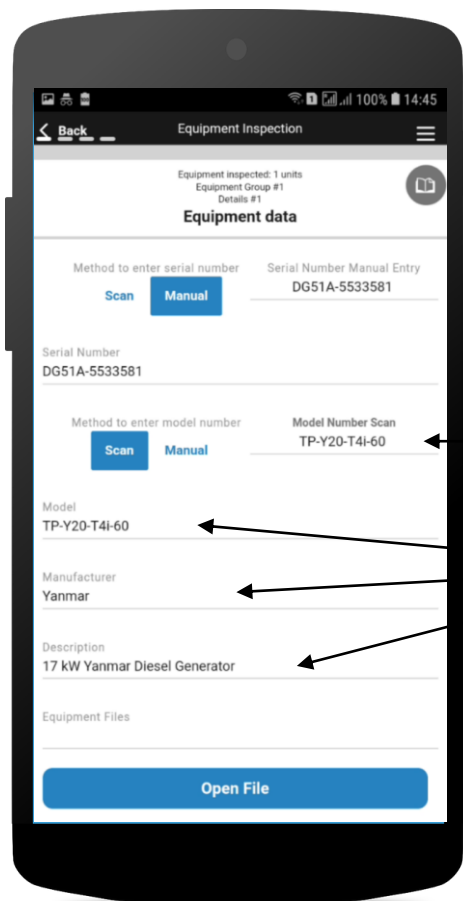
Advanced User Interface Behaviors

- Manage Form 'State'
- Trigger Actions Based on 'State'
- Compare & Direct 'State' Based on Form Data



2

When Operating Offline, Data Can Be Looked Up
And Documents, Diagrams And Media Can Be Retrieved
From A SQLite On-device Data Base

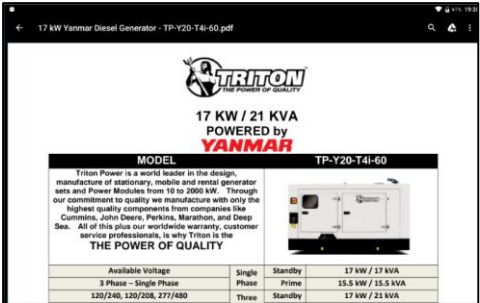


Scan barcode



Store barcode

Lookup barcode from on-device SQLite database
and populate form fields with reference data



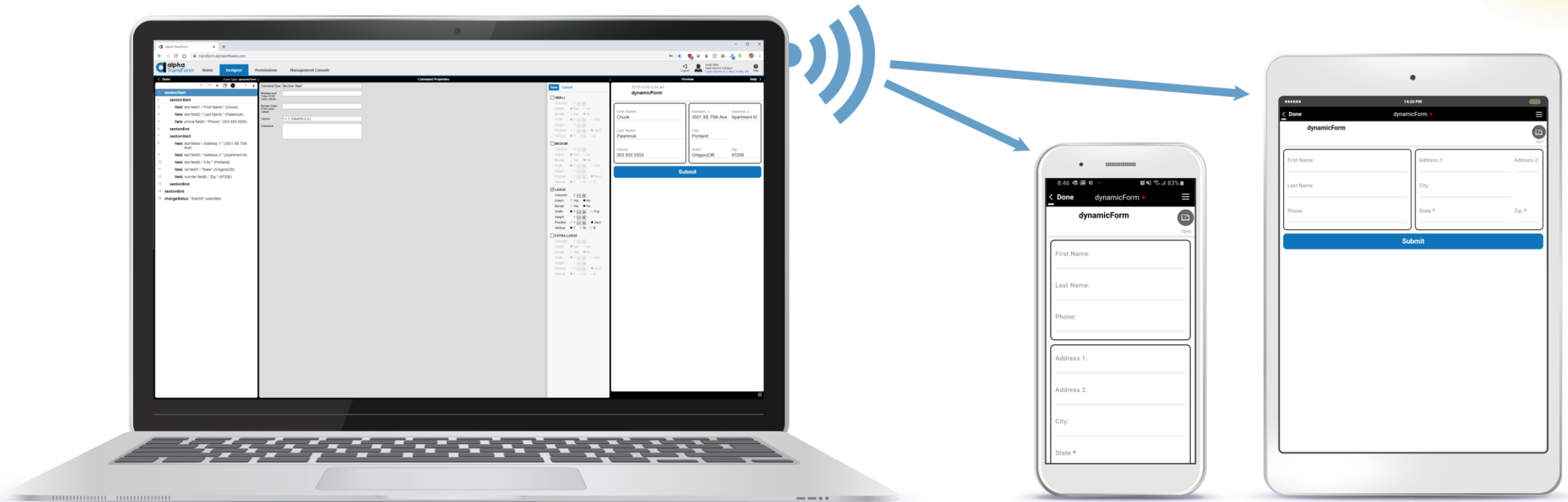
Access relevant on-device files (PDFs, videos, images etc.) via suitable native mobile device apps

No connection is necessary. The process can be completed entirely offline!

3

Responsive Layouts That Optimize For Any Device

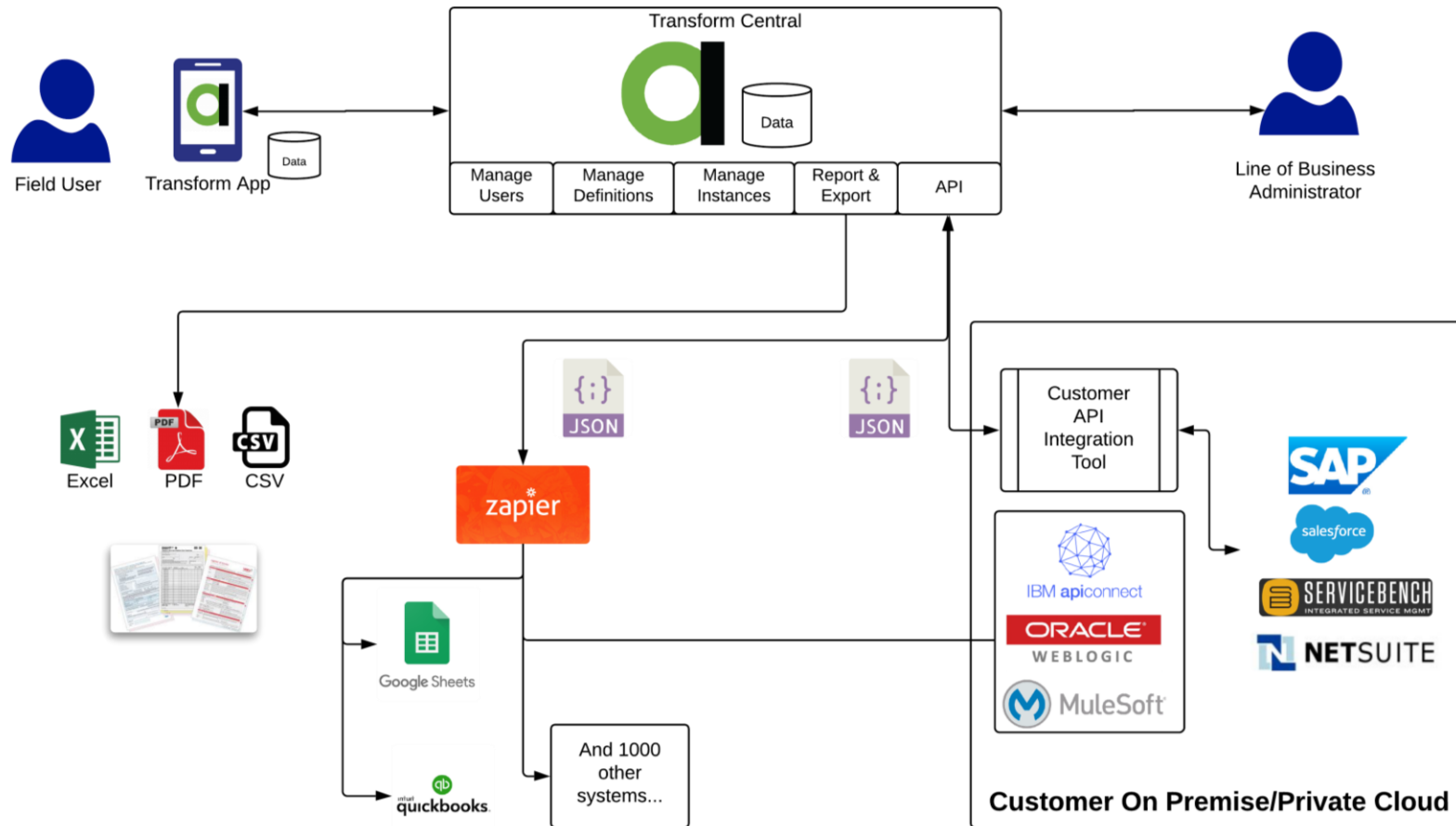
Responsive TransForm layouts allow for multiple fields on a line and will resize appropriately for any screen. And TransForm's mobile optimized controls will accelerate your data entry processes.



4

Seamless Integration With Existing Systems

TransForm will seamlessly integrate with your digital workflows, systems of record, and web services.



5

Works With Data Structures Of Any Complexity

Transform Has The Ability To Work With Complex Data Structures (Parent, Child, Grandchild, Sibling, Etc.) Without The Developer Having To Worry About The Data Structure.



An example that illustrates this point is the following:

Let say you have banks of batteries in industrial site that need to be inspected.

You can have an arbitrary number of batteries in each battery bank.

In turn you may want to take an arbitrary number of pictures for each battery and have an arbitrary number of voice recordings for each picture.

TransForm handles situations like this automatically without any coding at all

6

Alpha TransForm is a Complete System

Using Alpha Transform's Companion Platform,  For Building Any Kind Of Web & Specialized Mobile App, Dashboards, Reports, Queries, Analytics, Workflows Etc Can Be Built Very Quickly And Easily

[More Info About Alpha Anywhere](#)



Custom Dashboards



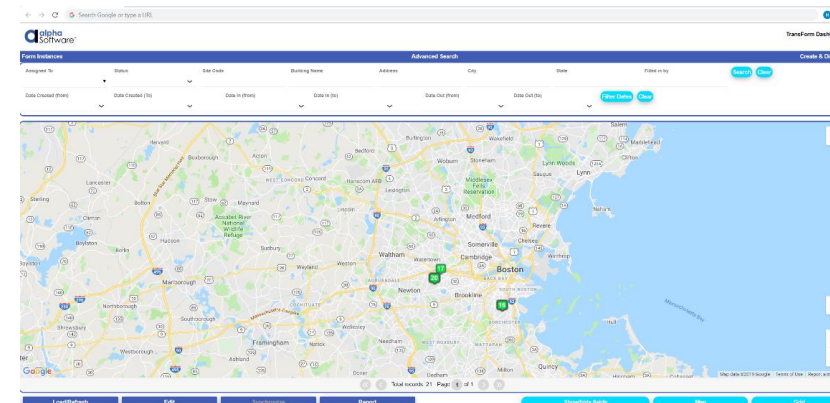
Custom PDF Reports

The report is titled 'Equipment Inspection Form' and includes fields for Site Code, Date In, Date Out, Site Name, Address, City, and State. It details the inspection of a 'Generator' and a 'Boiler', with sections for 'Generator Checklist' and 'Boiler Checklist'. The report includes photos of the equipment and a section for 'Latest activities'.

Dispatching & Tracking

Job ID	Status	Assigned To	Client	Job Name	City	Job Type	Job Date	Job Time	Job Status	Job Location
1718-1001-11-1001	Completed	John Doe	ABC Corp	Job 1	New York	General	2019-02-19	10:00	Completed	100 Main St, New York, NY
1718-1001-11-1002	In Progress	John Doe	ABC Corp	Job 2	New York	General	2019-02-19	11:00	In Progress	100 Main St, New York, NY
1718-1001-11-1003	Pending	John Doe	ABC Corp	Job 3	New York	General	2019-02-19	12:00	Pending	100 Main St, New York, NY

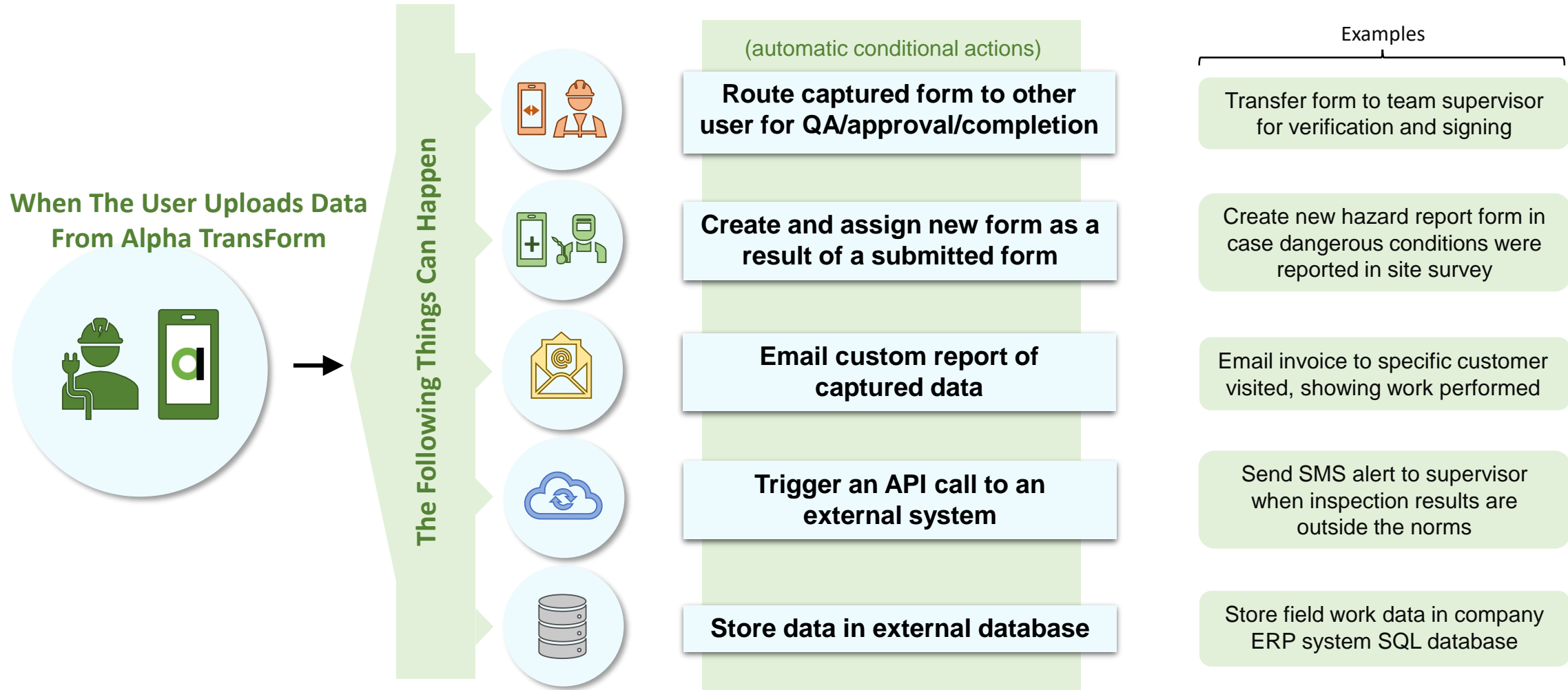
Data Responsive Mapping



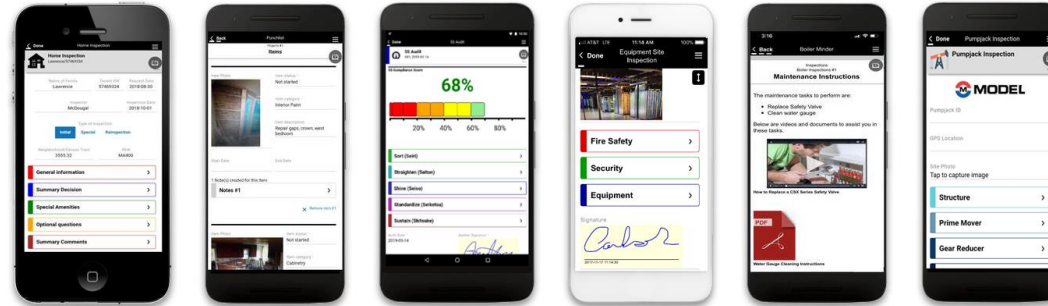
7

Enabling Digital Workflows

TransForm backend does all the heavy lifting so that your work flows smoothly at any scale.



The **Unique** Benefits Of **alpha TransForm™** Are Clear: The **Speed** Of Mobile Forms Platforms With All The **Power** Of Low Code Platforms



Here are some apps built in just hours (or in some cases) even minutes using Alpha TransForm.



[Patient Summary](#)



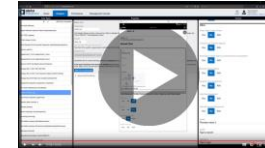
[safety audit](#)



[patient intake](#)
(4hrs build time)



[safety checklist](#)
(2hrs build time)



[Fire Inspection](#)
(11mins build time)



[medical research](#)
(2hrs build time)



[surgery](#)
(2hrs build time)

It's also easy to build other apps such as site visits, incident data collection equipment inspection, compliance audits, safety assessments, surgery checklists, punch-lists, maintenance procedures, inventory, patient intake, railyard inspection, OSHA inspection, Safety Analysis, invoicing, and more.

**Other development platforms would require weeks
or months to create similar applications.**

Appendix

Current development methods currently available for building enterprise mobile apps all have serious drawbacks

They either

- Can offer high certainty that the business requirements can be met, but take too long and cost too much to build and modify
or
- They allow apps to be built quickly & 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 <i>Apps can only be built by professional developers</i>	Months	High	No	Yes
Low Code Build apps using low code platforms <i>Apps can only be built by professional developers</i>	Weeks	Medium	No	Yes
No-Code Only Mobile Forms and Development Platforms <i>Apps can be built by non tech business unit people</i>	Hours	Low	Yes	no

In response to this problem, Alpha Software has created Alpha TransForm, which was designed to overcome all the drawbacks of existing development methods



Alpha TransForm is the only mobile development & deployment platform designed to

To dramatically cut the time it takes for developers to build custom offline-capable “industrial strength” enterprise mobile apps that integrate with back-end databases and systems of record, from weeks/months to hours/1-2 days

Be approachable by people in business units so that they can build these kinds of apps themselves without running out of power before their business requirements can be met.

Alpha TransForm is then expandable into Alpha’s top-rated general-purpose low-code development and deployment platform [Alpha Anywhere](#) which allows desktop web dashboards, reports, and other requirements to be met quickly

[Click here](#) for more detail on what distinguishes Alpha TransForm. A three-minute video [overview is shown here](#)

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

What makes Alpha TransForm unique

TransForm vs Low Code Platforms (Outsystems, Mendix etc.)

TransForm has similar power, programmability and control as low code platforms, but allows apps to be built in hours/days vs weeks/months. Plus TransForm apps can be modified virtually instantly whereas Low Code apps would require re-coding and resubmitting to apps stores (takes many days or weeks)

TransForm vs Mobile Forms Platforms

TransForm has similar easy of use/speed of development as mobile forms platforms, but it offers the assurance and comfort that apps can be built without worrying about reaching the limits of the platform before the business requirements can be met.

Alpha Transform

(Including Alpha Anywhere Capabilities)

versus the Competition

Development Speed Measured in hours or days versus weeks or Months Without Sacrificing Functionality

