



CUSTOM APPLICATION PLATFORM FOR FIELD WORK MANAGEMENT

The speed of no-code plus the power of low-code



FIELD WORK

What is the challenge?

Backoffice/Management has reduced visibility into what is happening in the field

Data collection, reporting and analysis is often delayed, inaccurate, and manually constructed

Legacy data access and capture methods have deficiencies

Typical software solutions can be complex to implement, or restricting to use

Being offline in the field cannot be avoided and should not hinder performance





OPTIONS FOR IMPLEMENTING A BUSINESS APPLICATION









OPTIONS FOR IMPLEMENTING A BUSINESS APPLICATION

Building or buying a solution					
	"Native" development	Low-code development	No-code build	SaaS platform	COTS application(s)
Implementation time:	Months/years	Weeks/months	Hours/days	Hours/days	Hours/weeks/months/years
Expertise required:	Software developer	Low-Code developer	Basic IT knowledge	Basic IT knowledge	Varies
Flexibility of features:	Maximum	Significant	Limited	Fixed	Fixed
Lifecycle support effort:	Major	Limited	Limited	None	Limited/none

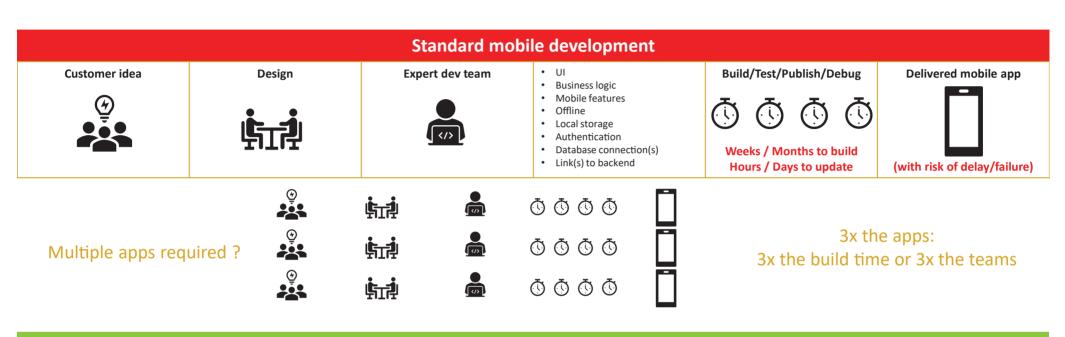


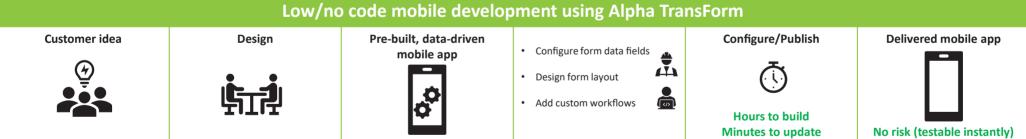






COMPARING TRANSFORMWITH CUSTOM APP DEVELOPMENT





Multiple apps required?



It is the same app!





CAN A PRE-BUILT MOBILE APP BE POWERFUL AND FLEXIBLE ENOUGH?

Standard Data Capture Apps need to include

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

Advanced Data Capture Apps can include

- User Permissions
- API, Webhooks, and Triggers
- On-line & Off-line support
- In-app calculations and validations
- Look-ups; local and remote
- On-device Data (databases and files)

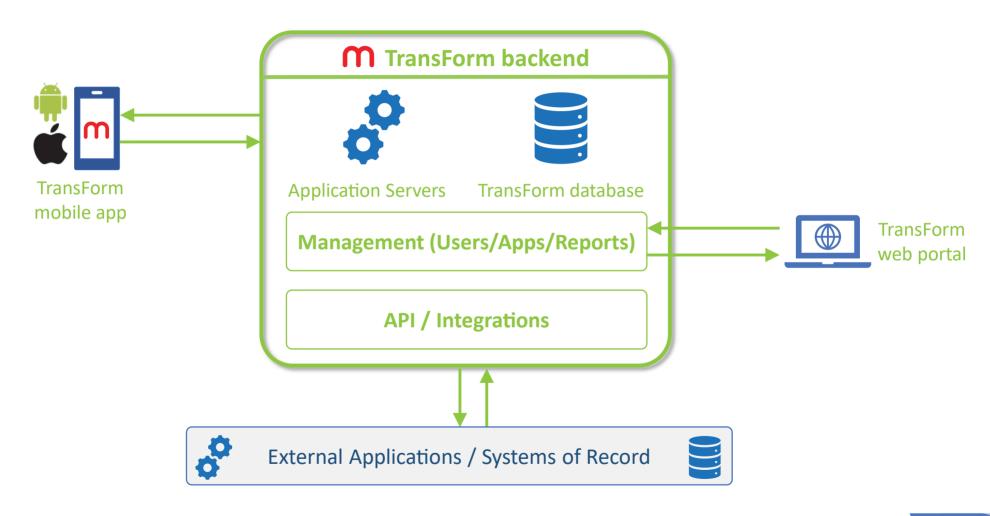


Built-In to TransForm



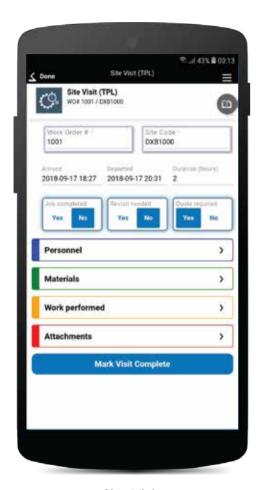


MOBILE AS PART OF A COMPLETE SYSTEM

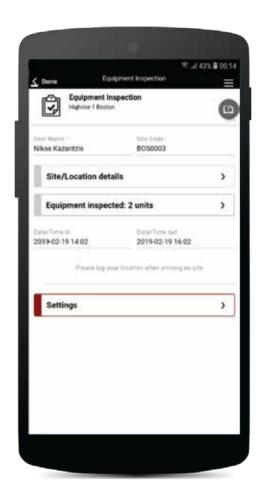




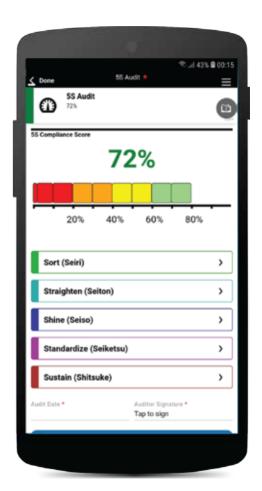




Site Visit



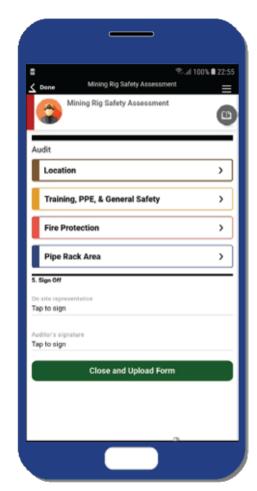
Equipment Inspection



5S Audit



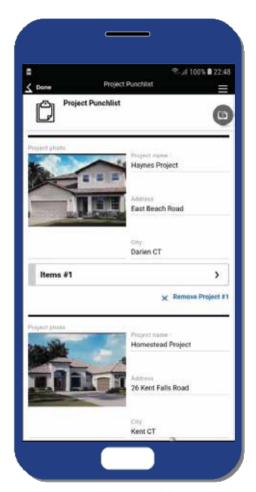




Mining Rig Safety Assessment



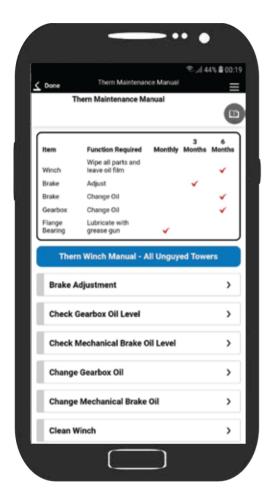
Perioperative Nursing Record



Project Punchlist



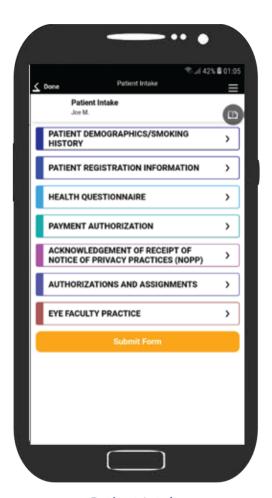




Maintenance Manual



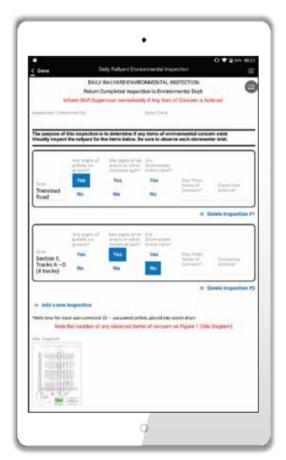
Maintenance/Rollout/Inventory



Patient Intake



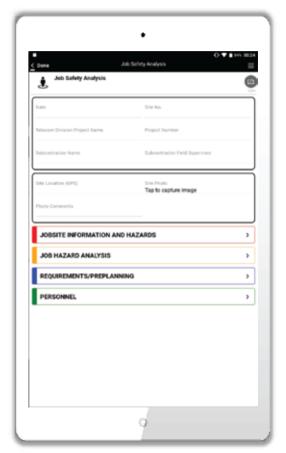




Railyard inspection



OSHA Self-Inspection Checklist

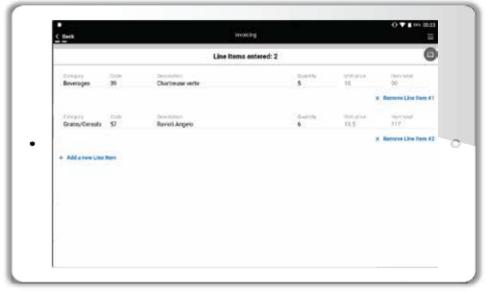


Job Safety Analysis









Invoicing



WHY USE TRANSFORM?

Line-of-business

Digitize field data capture with no programming expertise

Utilize photo capture, barcode scanning, geolocation and other mobile features

"Same-day" deployment of complete apps to mobile

Only a single app to download from App-Stores –regardless of the number of apps deployed

Software developers / system integrators

Backoffice/Management has reduced visibility into what is happening in the field

Manage lifecycle for a larger number of projects —easily support 10s or 100s of different deployed apps

No App-Store submissions required to deploy and update apps

Built-in low-code programming language to extend no-code capabilities

Rich integration options for connecting with other IT systems

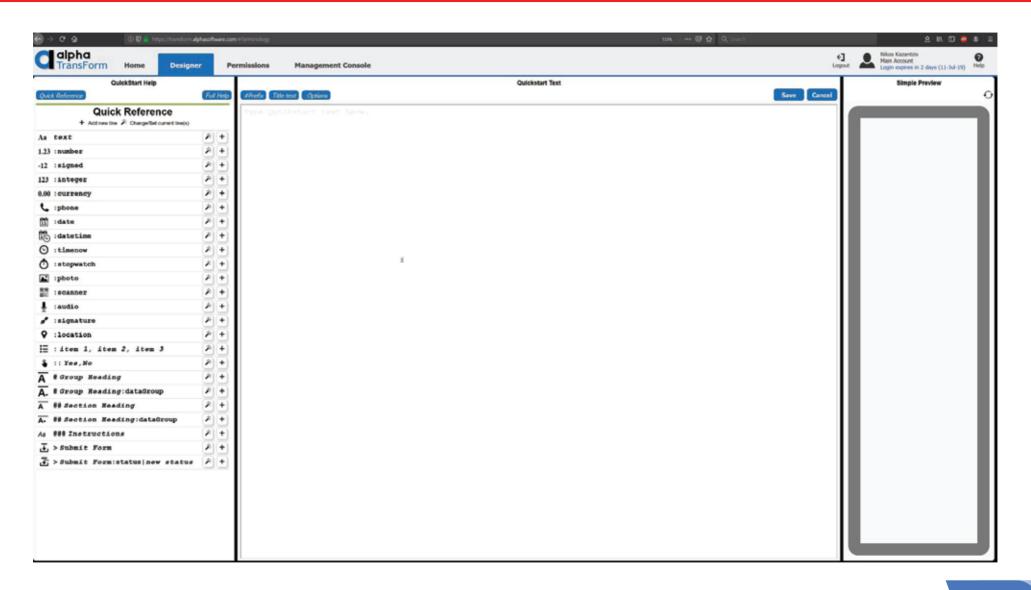


MaziaEVP Tranform 2 minute Demo





FORM DESIGN QUICKSTART



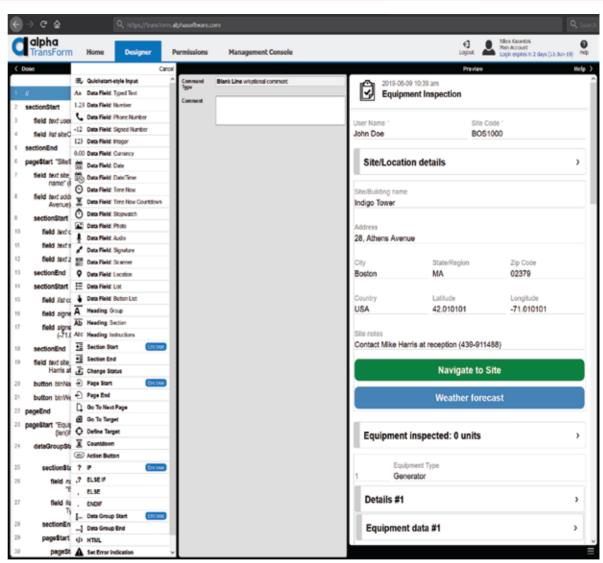




BUILD APPS BY CONFIGURATION (CODING OPTIONAL)

A WYSIWYG builder allows creation of complex applications, that can include:

- a rich set of data capture field types
- datagroups in single or hierarchical levels
- conditional branches (IF/ELSE)
- layout/UI
- pages/sections/navigation



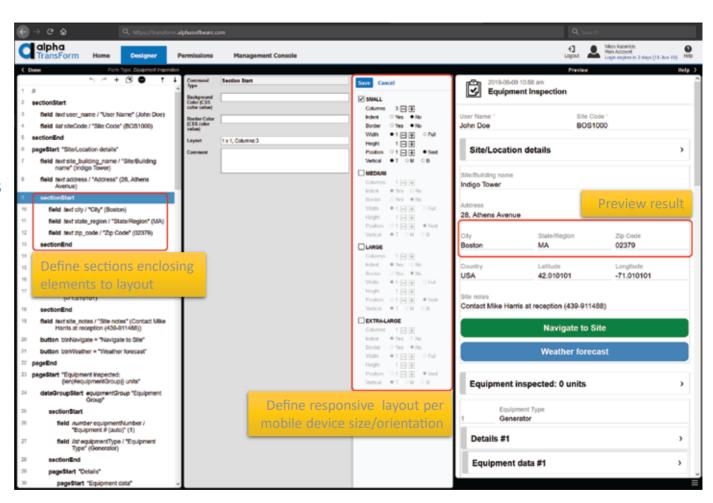




LAY OUT THE UI TO MAXIMIZE EFFICIENCY

Responsive controls that allow apps to:

- operate in portrait and landscape
- fit on small devices
- take advantage of available screen area of larger devices



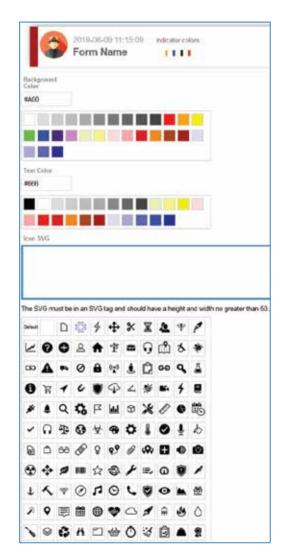




INDIVIDUAL APPLICATION THEMING

Personalize apps with:

- built-in icon library
- custom SVG icons
- text/background/indicator colors









ADVANCED FEATURES - CUSTOM EMBEDDED BUSINESS LOGIC

Add powerful client-side (offline) calculations, actions and behaviors using the "low code" TransForm Programming Language (TPL):



Data input validation

- Verify value or range
- Check input limits
- Compare with other values on device or external



Web service REST API integration

- Call any web service to retrieve list items
- Call any web service to validate data
- Push data to web service



Calculations

- Client-side calculated values (sums, averages, products) from entered data
- Rich set of built-in functions that include date arithmetic
- Can be linked to events for automatic re-calculations



Work flow

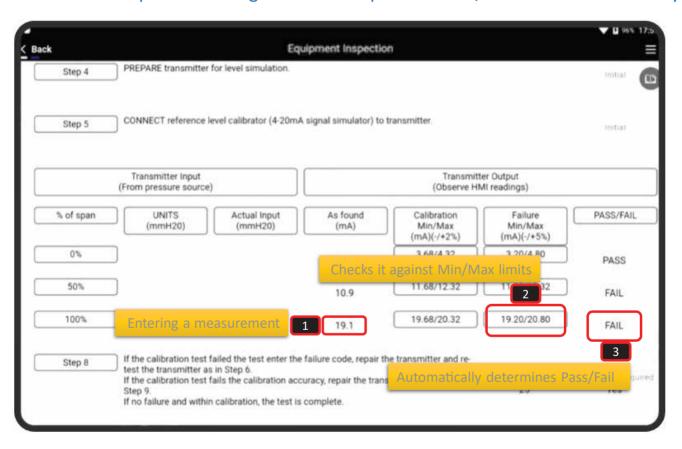
- Manage form "state"
- Trigger actions based on "state"
- Process "state" based on entered data





TPL EXAMPLES

Validation of entered data within a permitted range of values to produce Pass/Fail results automatically

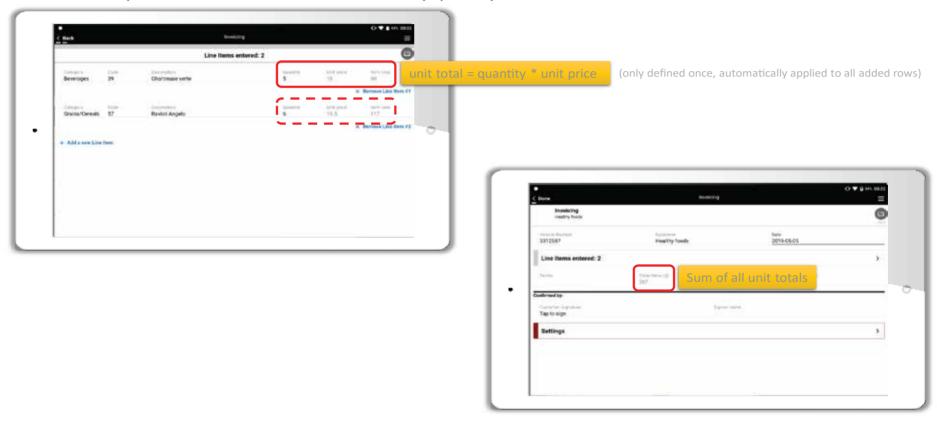






TPL EXAMPLES

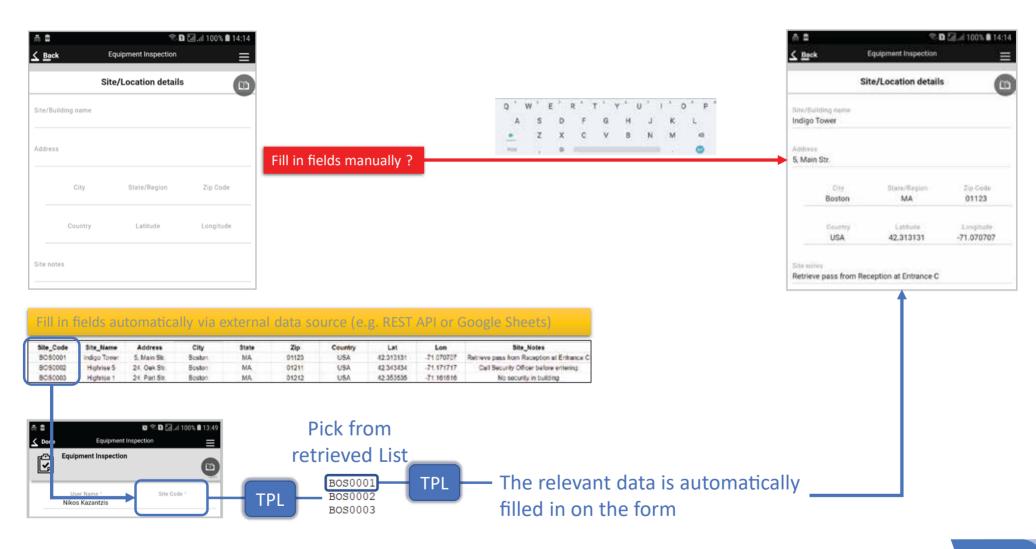
Calculation of product and sum values across arbitrary quantity of elements







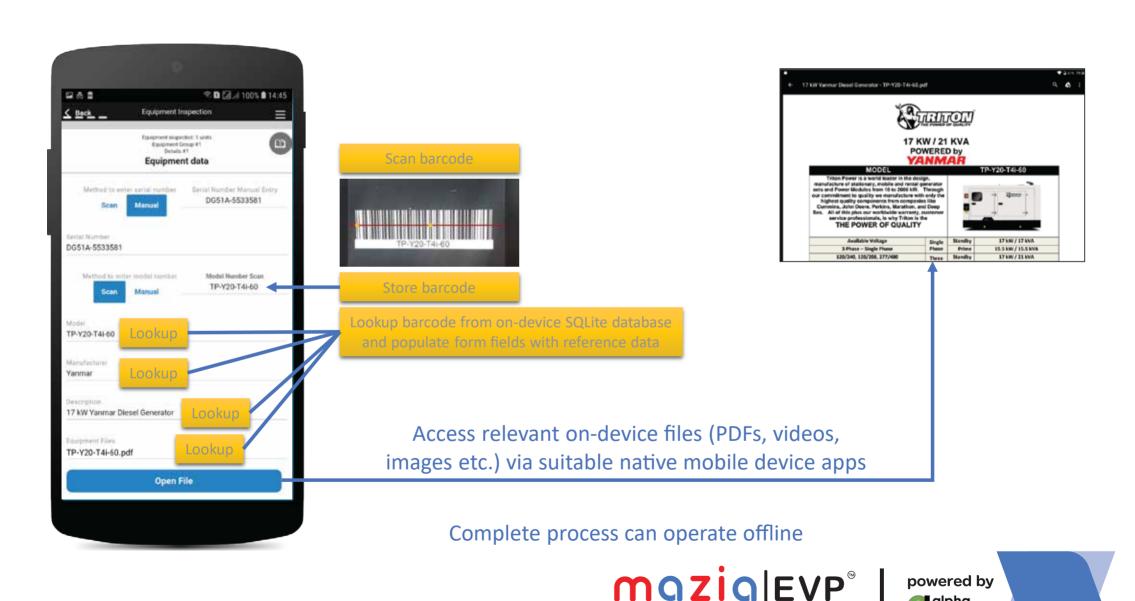
TPL EXAMPLES: DYNAMIC LISTS AND REMOTE LOOKUPS







TPL EXAMPLES: ON DEVICE LOOKUPS AND FILES



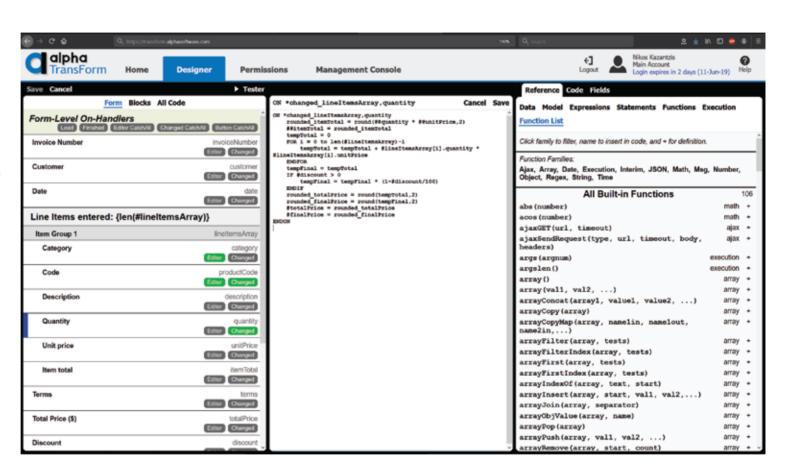
alpha Transform

MOBILE & WEB | INTERGRATIONS | REPORTING

TPL SCRIPTING - CODE EDITOR

A built-in TPL code editor:

- event-based at field and app level
- rich function library with documentation
- custom user functions with arguments







TPL - A POWERFUL TOOL, NOT A BARRIER

TPL is an optional capability

Only a small percentage of Excel users write VBA code. Yet millions of people continue to use Excel very effectively without knowing about VBA.

Similarly, sophisticated forms/apps can be built in TransForm without TPL. TPL is the enabler for even more advanced features and capabilities.

TPL is low code

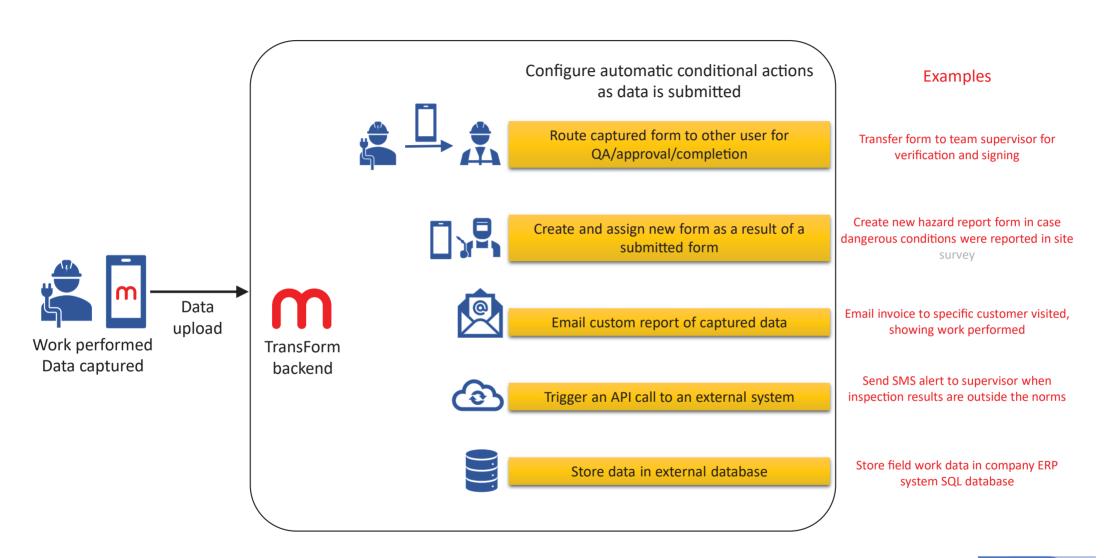
TPL is not a general-purpose programming language. It is a "low code" implementation that was developed specifically for a data capture app like TransForm.

Learning to use TPL is much simpler compared to a general-purpose computer language – existing developers can work proficiently and produce powerful results in a matter of hours/days.



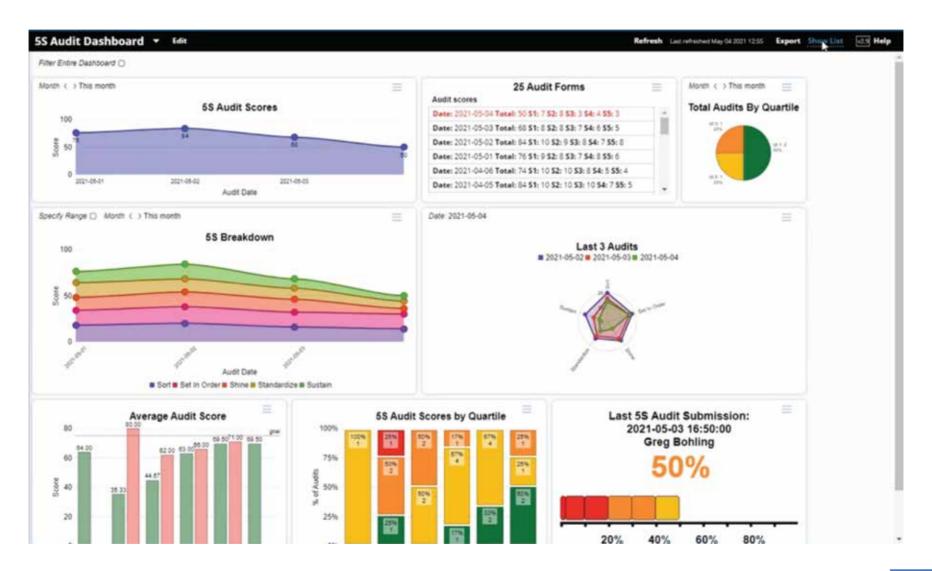


TRANSFORM: ENABLING ADVANCED DIGITAL WORKFLOWS

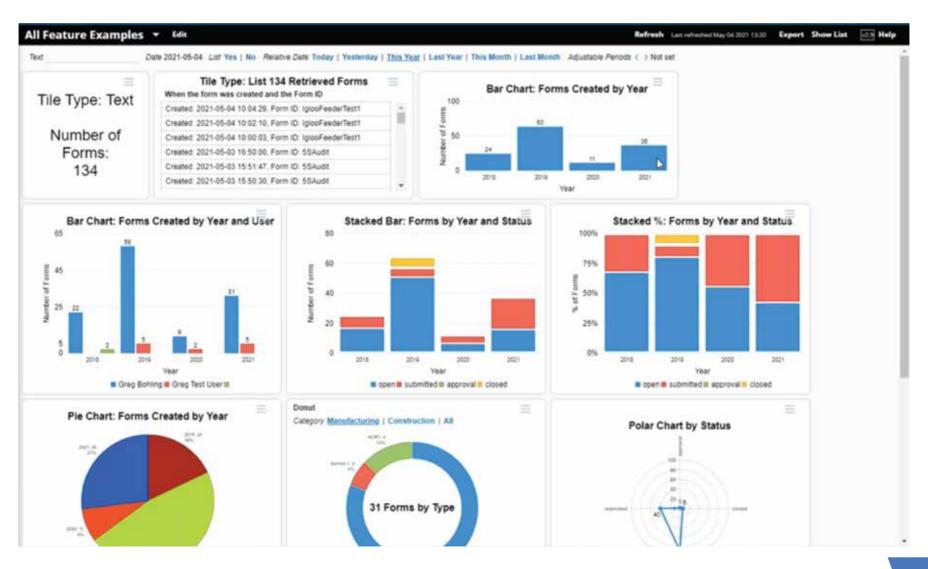






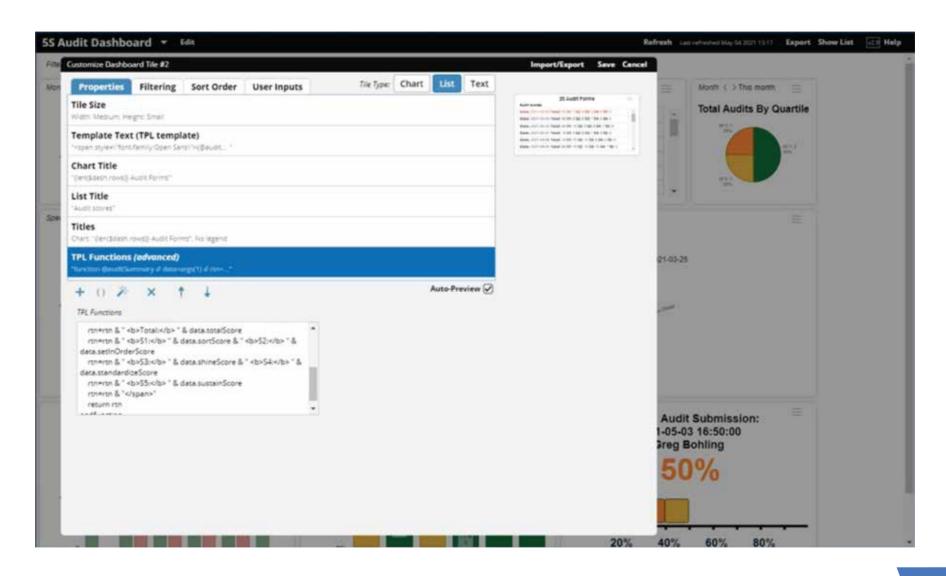






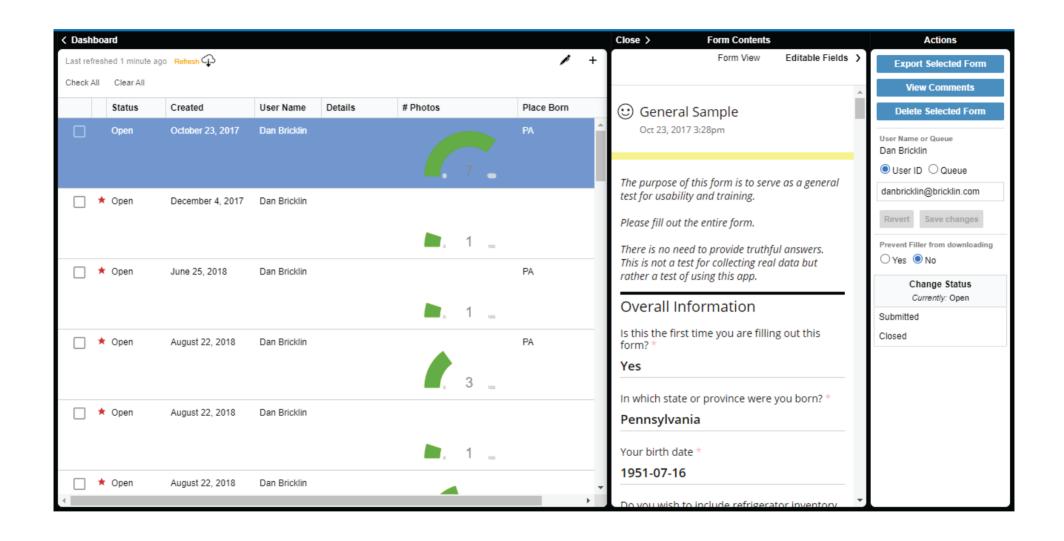








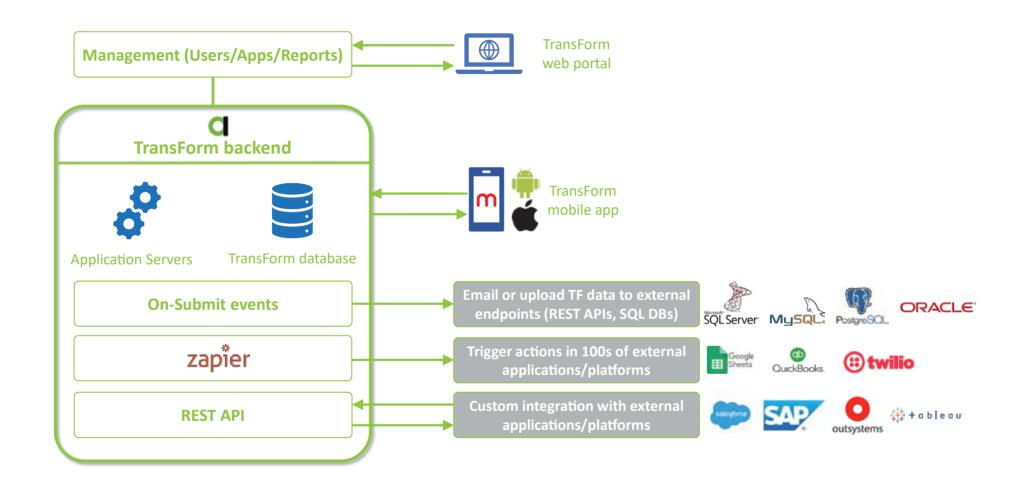








MOBILE AS PART OF A COMPLETE SYSTEM

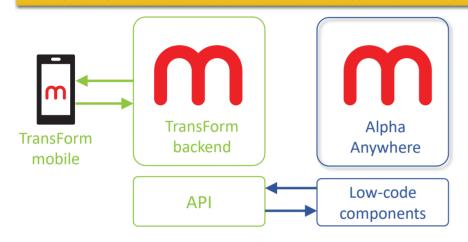






TRANSFORM + ALPHA ANYWHERE - INTEGRATED SOLUTION PLATFORM





mobile



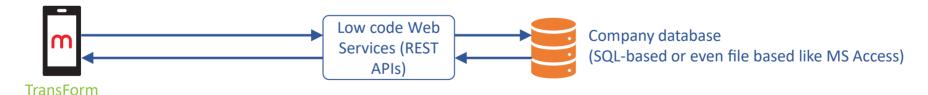


Dashboards/Dispatching



Custom PDF Reports

Use Alpha Anywhere to build Web Services on top of company databases to access them directly from TransForm mobile



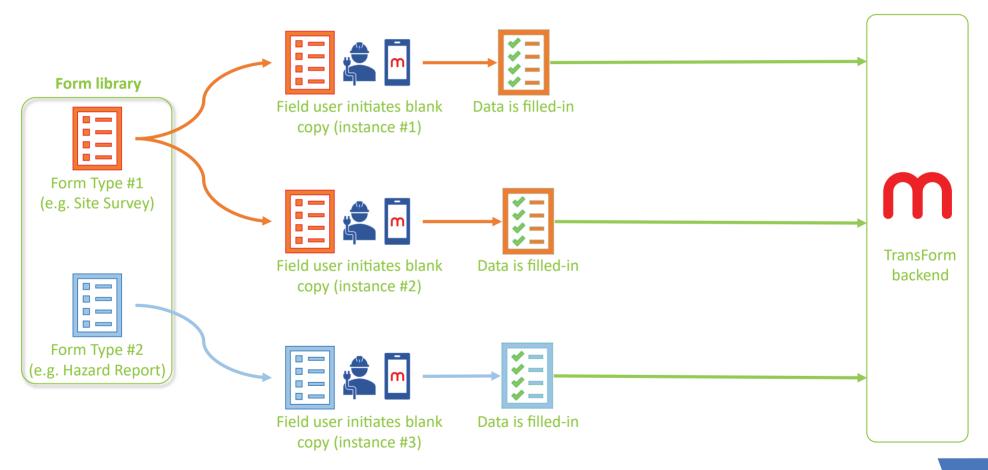




TRANSFORM WORKFLOW: FIELD-INITIATED DATA CAPTURE (AD-HOC)

TransForm workflow: field-initiated data capture (ad-hoc)

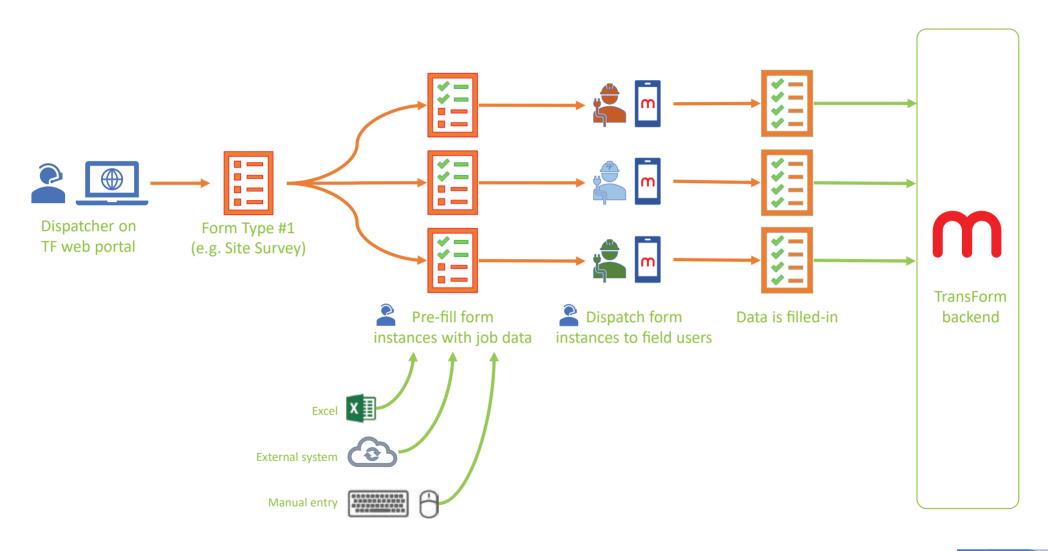








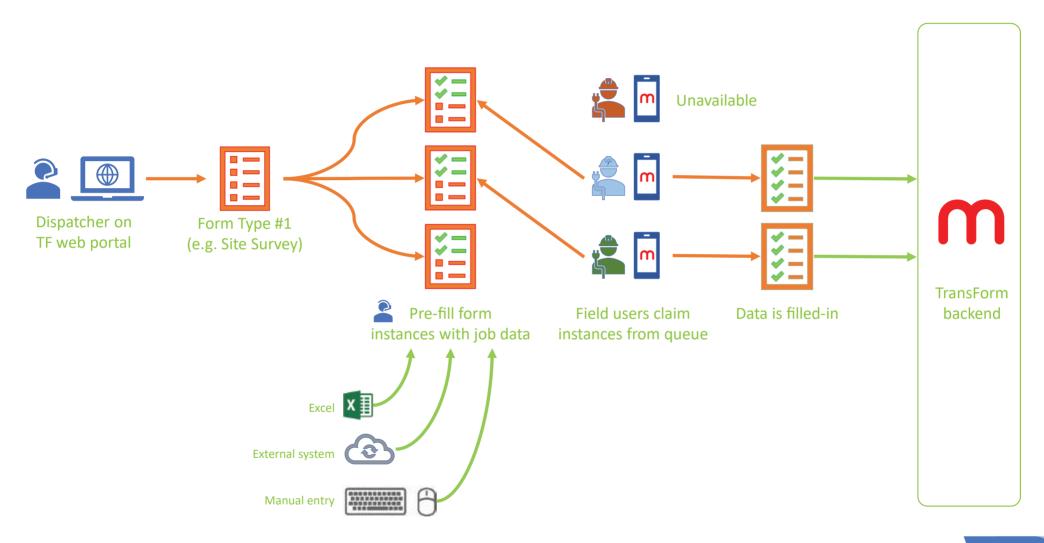
TRANSFORM WORKFLOW: DISPATCH







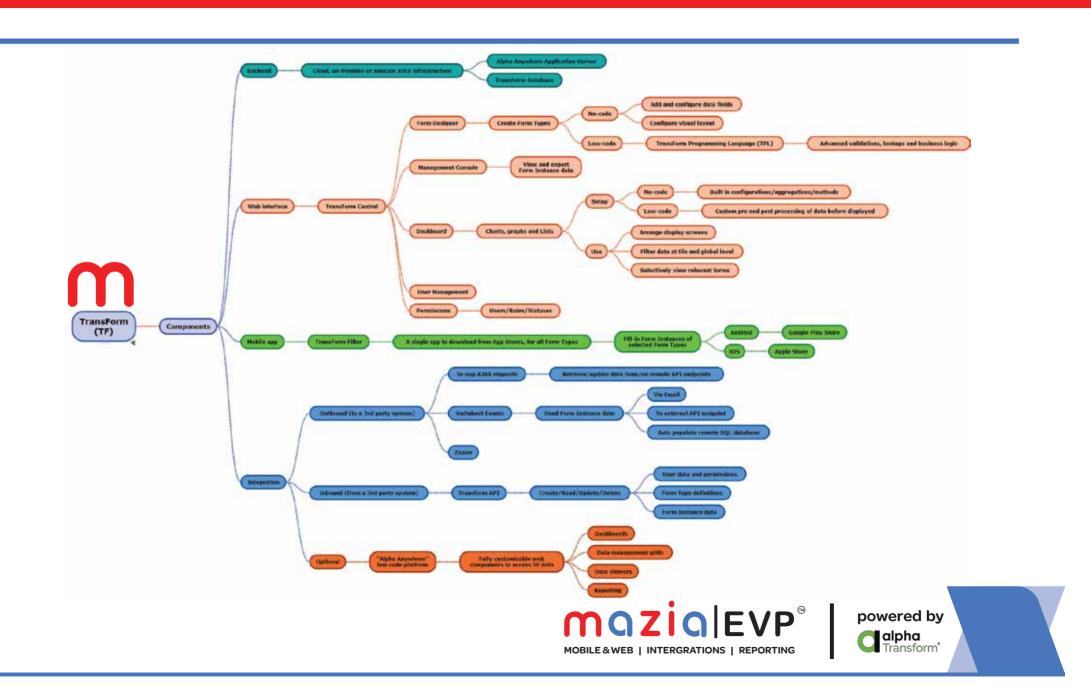
TRANSFORM WORKFLOW: QUEUING



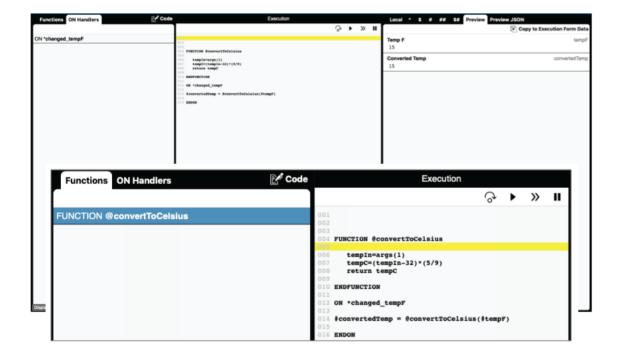




TRANSFORM PLATFORM



TPL DEBUGGING



Built-in TPL debugger inside the form designer



Mobile TPL debugger





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