



Pressure Test Certification App

A powerful, user-friendly app designed by seasoned tradesmen for the professional mechanical/inspection service industries (mechanical contractors and inspectors, including pipefitters, plumbers, sprinkler fitters and service technicians).

The certification process for mechanical tests has become increasingly tedious and demanding due to increased client expectations and the complexity of pressurized systems. The traditional method of email-print-sign-scan-email is far too slow and costly for today's modern needs.

This application provides a consistent, streamlined documentation and sign-off process for field workers to use from inspection start to sign off. It leverages smart phone technology to embed and stamp photos with time, date, ambient temperature and GPS location, in addition to sorting, storing and emailing documents, and enabling signature capture (E-Sign).

Images of pressure gauges can be taken over several days to document the stability of a pressurized mechanical system. Photos are embedded for easy side-by-side comparison.

- Saves time and labor
- Certifies the proper functioning of a pressurized system.
- Creates secure, digital certification documents in minutes.
- Embeds photos and video – stamped with time, date, ambient temp, GPS location.
- E-signoff for multiple signatures of inspectors, project managers, etc.
- Time-locked, encrypted data fields – prevent errors and data tampering
- Easy side-by-side photo comparisons of pressure gauges.
- Email completed forms as printable JPGs.
- Save and store files by date, project system and client.
- Eliminates print-sign-scan-and-email approach – saves valuable time!
- Gives clients, engineers and architects detailed proof of work.
- Work anywhere. No server connection needed.
- No ads.
- Say goodbye to lost or damaged paperwork.
- Patent-pending, digital documentation process.

Features and Specifications

Supported Devices: Any Android device with OS 11 or higher. Also all iPhones 4 and up, and all iPads 2 and up with OS 7.0 or higher.

Device Capability Requirements: Camera, touchscreen, email account (ambient temperature sensor will be leveraged when present for Androids).

Application Size: Under 3 MB

Internal Memory Usage: Compressed SQL database and photos. Approx. 250K usage per image. SQL-backed list of certification forms. Standard SQL – can be exported and browsed by a wide range of professional software.

Multiple E-Signoff Enabled: Forms can be E-signed right on the device and emailed out as a JPG image that is easy to print out for hardcopy records.

Organize Mechanical Image Captures: Photos are date/time/ambient temperature stamped.

100% Documentation of Certification Process: From start to signoff.

Stand-Alone Application: No ads. No server side component and no Internet access utilized by the App except GPS location services for address look-ups, and to email completed certifications to selected recipients.

Payment Model: Free to download and evaluate a limited set of features. Full features can be accessed with a subscription model. Visit our App Store or Google Play sites for details.

Screen Shots

Verizon 11:02 AM

< Save Edit Form Cancel

Tue 11/17/15 11:01 AM

Zovich Construction

1798 Evergreen Drive SanJose Ca, 98005

Southeast Branch Hospital

C. Eberhardt CGI Mechanical

Chill Water

M1.25 ☒ Passed

1500 Process

Plumbing Mechanical Process Custom

Mon 11/16/15 11:17 AM Tue 11/17/15 11:02 AM

70°F 70°F

System held 24 hour hydrostatic test.

Verizon 5:53 PM

< Back Sign and Email Email Sign

Pressure Test Certification

Sun 12/20/15 05:28 PM

Zovich Construction

Customer: 1798 Evergreen Drive
SanJose Ca, 98005

Location: Southeast Branch Hospital

Project: C. Eberhardt CGI

Installer: Mechanical

System: Chill Water

Plan M1.25 Spec: 1500

Mon 11/16/15 11:17 AM Tue 11/17/15 11:02 AM

70°F 70°F

Plumbing

System held 24 hour hydrostatic test.

Signatures **Passed**

C.Eberhardt Piping Foreman 12/20/15

C. Eberhardt

1:27 PM

Certifications Ambient Temperature 69° F.

Date	System	Customer	Passed
Tue 11/17/15 11:17 AM	plant Construction	Zovich Construction	<input checked="" type="checkbox"/>
Sat 11/14/15 9:32 AM	plant Construction	Chill Water	<input checked="" type="checkbox"/>
Thu 11/12/15 8:47 AM	plant Construction	Heating Water	<input checked="" type="checkbox"/>
Sat 11/14/15 9:21 AM	plant Construction	Domestic Water	<input checked="" type="checkbox"/>
Sat 11/14/15 9:17 AM	plant Construction	Chill Water	<input checked="" type="checkbox"/>
Thu 11/12/15 7:24 AM	Zovich Construction	Heating Water	<input checked="" type="checkbox"/>
Fri 9/25/15 3:27 PM	Zovich Construction	Heating Watrt	<input checked="" type="checkbox"/>
Thu 11/12/15 7:26 AM	Zovich Construction	Chill Water	<input checked="" type="checkbox"/>
Thu 11/12/15 7:24 AM	Zovich Construction	Refrigeration	<input checked="" type="checkbox"/>
Fri 9/25/15 3:28 PM	Zovich Construction	Chill Water	<input type="checkbox"/>
Thu 11/12/15	Zovich		<input type="checkbox"/>

New Certification Options

J.Smith San Jose City Insp. 12/20/15

J. Smith

Estimated Time and Labor Savings With Pressure Test Certification App

Activity	Current Labor Hours without App (in minutes)	Labor Hours with App (in minutes)	Labor Hours Saved With App (in minutes)
Finding and Printing Documents	30 min per job	30 min initial download; 5 min per every additional use	0 min initial; 25 min for additional jobs
Transporting Documents to Field	30 min	5 min to find phone	25 min
Completing Documentation	15 min	15 min	0 min
* Lost, Incomplete, or Inaccuracies on Documents	Up to 120 min finding lost paperwork or recreating docs	15 min to find phone and re-email completed documents	105 min
Scanning Documentation	5 min	0 min; no scanning needed	5 min
Emailing Documentation	20 min travel to office; find, scan, email document	5 min to type in names and send email from field	15 min
* Further Documentation Requested by Customer	0-120min depending on request	5-15 min to resend or print certification if hard copy requested (App provides all detail and photos customers will need)	Up to 105 min
Multiple inspections	15 min x number of inspections	5 min (App auto-fills project details from initial inspection report)	10 min+
Totals	355+min	95 min	290 min+

♦ Items with Asterisk (*) don't apply to all jobs, but often occur in the field.

♦ Total estimated labor hours saved in one inspection: 55 min. minimum up to 4 hours, 50 min. depending on customer and job.

♦ Total estimated labor hours saved on projects with 25+ inspections: 22.9 hours minimum up to 120.8 hours.

If the average cost of labor is \$120 per hour:

- Estimated cost savings for one inspection is \$110 minimum up to \$580
- Estimated cost savings for large projects with 25+ inspections is \$2,748 minimum up to \$14,496

Pressure Test Certification App - Document Quality

Process	Current Documentation Process	Documentation When Using Application
Obtain Documents	Must find correct paper form	Find phone; open App
Secure Picture of Gauges	None	Yes - Live Digital Capture; No photo import/export ensures document integrity
Time/Date Stamp	None	Yes-Watermarked
Temperature Stamp	None	Yes-Watermarked
GPS Stamped	None	Where available
Locking Fields	None	Yes-All fields
Signature	Pen/Paper	Real-time E-signature
Secure Filing of Documentation	Transport back to shop, scan, email	Email immediately from field
Company Certification Without Inspector	None	Yes-Through patent-pending, time-locked process. Includes E-signed certification form, time-locked data fields, and time and date-stamped photos
Certification Document	None	Yes- Through patent-pending, time-locked process. Includes E-signed certification form, time-locked data fields and time and date-stamped photos
Quality of Document to Customer	Handwritten, scanned paper (no embedded photos)	Digital capture of gauges with all information typed, E-signed and securely locked

- This App improves the quality of pressure certification tests by providing a time-locked, date and GPS-stamped photo documentation that is not editable.
- App documentation offers assurance to inspectors, business owners, customers and tradesmen that tests are performed and documented at the highest standard.

Pressure Test Certification Application – User Instructions:

- 1) Open App interface. Tap on “new form” and fill out a new certification form. Tap in category of system.
- 2) Go to camera/gauge icon. Tap. Take photo of pressurized gauge. Confirm temperature and save photo of gauge. The photos cannot be edited, but you can retake a photo until you are happy with the results. Save.
- 3) Return after test duration with inspector or administrative authority. Check gauge. Open app and select project file that was saved in Step 2. Tap “saved forms”. Tap on the form you want, and then “edit” and take second photo. Now you should have two photos side-by-side stamped with time/date /temperature. Confirm “pass” or “fail”.
- 4) In comment box, specify the type of test, duration and pressure. Save.
- 5) Open saved certification file in interface. Confirm all information on certification form. Tap “sign and e-mail.” At this point, all information that has been typed in, and all digital gauge photos that have been saved and confirmed as a “pass” will be non-editable. Tap “sign” to E-sign. Type in installer’s name and sign document using a stylus or finger. Tap “accept”, then tap “sign” again to have inspector type in name and sign. Add additional signatures as required. Once E-signoff is complete, tap “e-mail”, type in recipient email addresses and send.
- 6) You may have multiple inspections on one project in edit mode. You can duplicate all information except the gauge photos each time you open a new inspection form for the same project. Just press the “duplicate” button to auto fill the job details for each new inspection on the project. You can edit the duplicated information, such as the type of system being inspected (for example, domestic water, chill water, heating hot water) and any other information as needed. On the interface, you can organize multiple inspections for large projects in “saved forms” by “system”, “customer”, “date”, or “status.”
- 7) Open icon. Use “send feedback” button to let us know how the App is working or if we can be of any help.

FOR MORE INFORMATION, CONTACT:

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