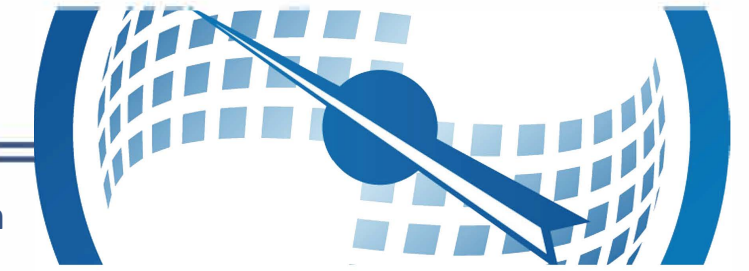


techniCAL

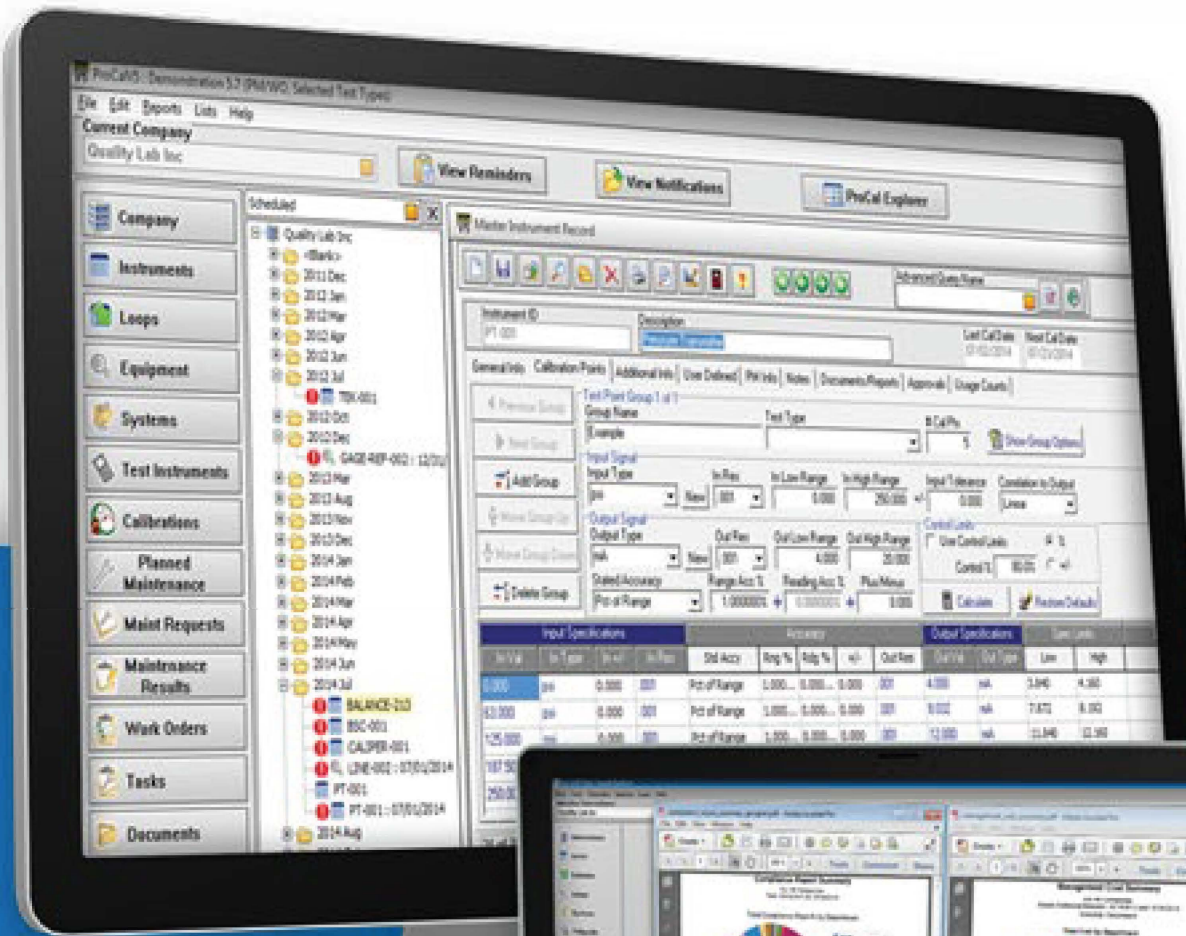
eXpanding possibilities

866-327-8731 www.techniCAL-sys.com



PROCAL V5

Calibration & Maintenance Asset Management Software



Introduction

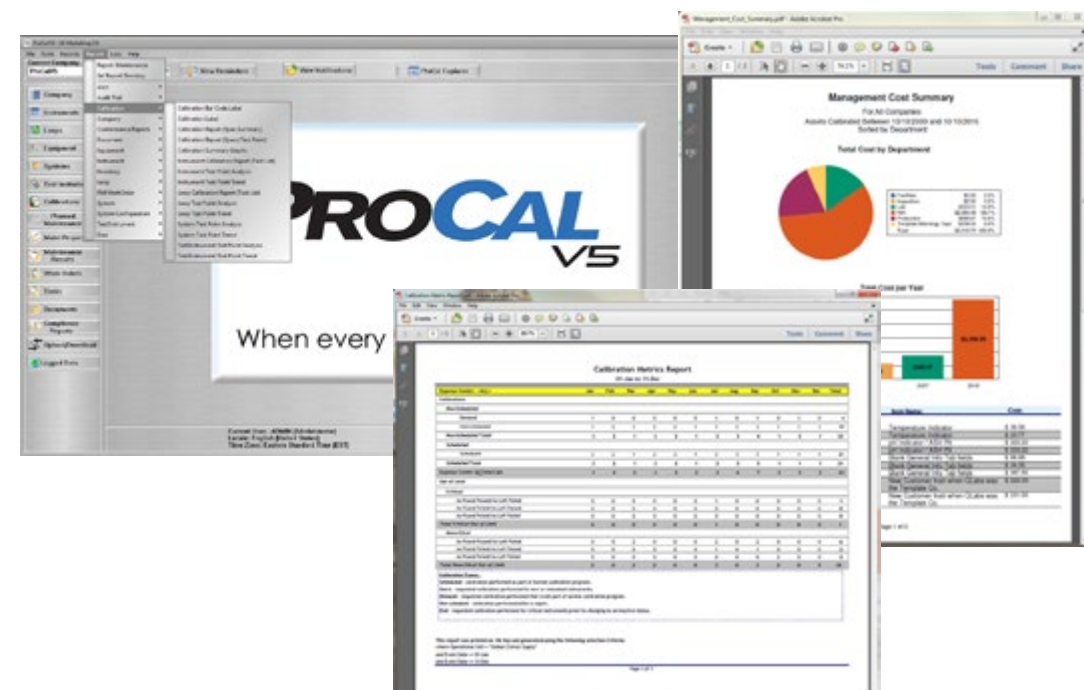
Developed for calibration professionals who appreciate excellence.

“Having worked with and validated numerous systems for various pharmaceutical and biotech companies over the years, including other calibration and maintenance management systems, I found ProCalV5 to be the easiest to work with, validate, and implement. The system is intuitive, flexible, and mature, thus reducing the time and effort from initial purchase to Production roll-out to the end users.”

Kathianne Ross
IT Compliance Supervisor
Fujirebio Diagnostics, Inc.

ProCalV5 is the culmination of many years of continuous improvement based on our superior domain expertise and requests and suggestions from our valued clients. The program is pre-validated and 21 CFR Part 11 compliant ensuring total compatibility with the strictest of industry quality requirements and robust performance.

Workflow options are easily configured to meet a variety of needs for both small single site installations and global enterprise deployments.



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1. Software Benefits

How To Use This Brochure

Button links at the bottom of every page allows you to print, access our web site, contact us, or go to our web site home page.

Click the Next button to move forward in the brochure. Click the Back button to move backward in the brochure.

Click the outer most arrows on the bottom corners of the book and be taken to the very beginning or very end of the book.

Part 2

Thousands of Users Around the Globe *Intuitive & Powerful User Interface*

"I have used ProCalV5 for 2 years now. Updates are effortless and support is second to none. ProCalV5 is easy to use and navigate. It is much better than others out there. Many features are able to be customized by you. Reports are a breeze and easy to filter. Saves time and man hours. I would recommend ProCalV5, if you are looking to start a calibration program or replace an existing one. Great software!"

Lee Hummel
ISO Calibration Technician,
Mars Chocolate
North America ELZ Plant



Clients Currently Using ProCalV5



Powerful Yet Flexible User Interface

A professional program designed for operational excellence.

Those who calibrate appreciate the difference. Details and functionality are direct to the issue of managing system qualifications and instrument calibrations. Workflow is enhanced, productivity is improved, operational costs are reduced and regulatory compliance is ensured.

Multiple accounts can be managed with a drop down list.

Shortcuts for accessing reports, records and more.

Quick view reminders and notifications

Browse thru your data easily with ProCalV5 explorer. [Click here to read more about ProCalV5 explorer.](#)

Quick keys for performing calibrations and easy access to other job responsibilities.

Customize your workstation with your own home screen preferences.

Current User : ADMIN (Administrator)
Locale: English (United States)
Time Zone: Eastern Standard Time (EST)

PRIME TECHNOLOGIES

Language

Change to another language from a simple drop down list.

Advanced system configuration options allow for locations/languages to be defaulted for companies, as well as user groups and users. Program reports will correlate to your selected language.

The screenshot displays the ProCal V5 software interface. On the left, a vertical menu contains options such as 'User Logon', 'Change Password', and 'Change Preferred Locale'. The 'Change Preferred Locale' option is expanded, showing a list of languages: Deutsch (Deutschland), English (United States) (selected), Español (España), Français (France), Italiano (Italia), and Português (Brasil). Below this menu are buttons for 'Test Instruments', 'Calibrations', 'Planned Maintenance', 'Maint Requests', and 'Maintenance Results'. In the background, two report windows are open. The top window, titled 'Informe principal de instrumento', is in Spanish and shows details for 'Quality Lab Inc' and a 'Pressure Transmitter'. The bottom window, titled 'Ficha de calibración del instrumento', is in English and shows a calibration table for the same instrument.

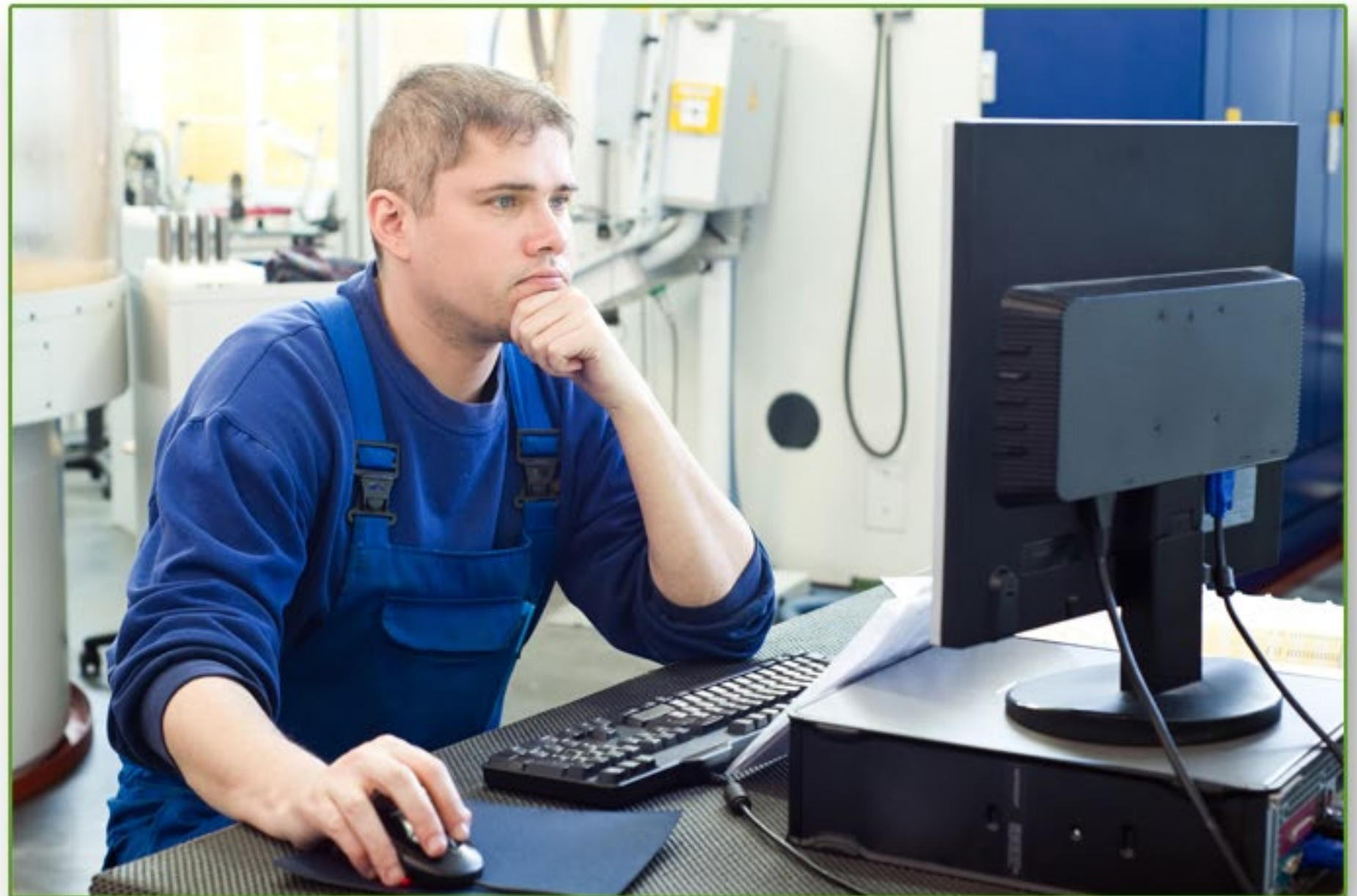
Especificaciones de la calibración									
Nr. de grupo	Valor de entrada	Unidad	Porcentaje de rango	Valor de salida	Unidad	Rango	Alto	Est. sum.	Desv. sum.
1	0,0000	psi	Porcentaje de rango	5,0000	mA	0,0000	4,0000	3,2000	4,8000
2	50,0000	psi	Porcentaje de rango	5,0000	mA	0,0000	12,0000	11,2000	12,8000
3	100,0000	psi	Porcentaje de rango	5,0000	mA	0,0000	20,0000	19,2000	20,8000

Part 3

Administrative Features

“We were on a strict time table and the Procal deployment initiative met the milestones which allowed us to stay on schedule. Prime Technologies provided two levels of training, administrator and technician training. The project was a total success. We have had two major outside audits since implementation, the Procal database and reporting tool greatly contributed to the successful audit.”

Walter Anderson
Instrument & Electrical
Superintendent,
PCS Nitrogen



| Account Organization

Establish multiple accounts, sites, locations, user groups and users as may be needed.

Features

- » Excellent way to standardize practices across locations
- » Assets, workflow configuration, user groups, data and approved vendors may be isolated and unique to each account
- » Assures strong data separation, security, and individual procedures via global settings

The image displays three overlapping screenshots of the ProCAL V5 software interface. The largest screenshot is the 'Company Record (Saved)' window for 'Prime Technologies, Inc.', showing fields for address (16 Hagerly Blvd, West Chester, PA 19382), contact (Tim Mize, 484-266-0599), and user-defined label settings. A smaller 'Options' window is overlaid on top, showing various configuration checkboxes such as 'Auto-Close Work Orders', 'Prevent Modification Of Exported Records', and 'Force Calibration Failure'. A third window, 'ProCAL V5', shows a 'Current Company' dropdown menu with a list of companies and sites, including 'Prime Technologies, Inc.', 'Brigum Line', 'Bryn Pharma', 'Graham Ounces', 'Labs of Lanco', 'Lest Link', 'LNM Petrol', 'Naxair', 'Neigh Main', 'New Gen', 'Next Look', 'Presto', 'Prism Technologies', 'Telemade Fines', 'Tile One', and 'Universal Pharma'. An arrow points to this dropdown list with the text: 'Multiple accounts can be managed with a drop down list.'

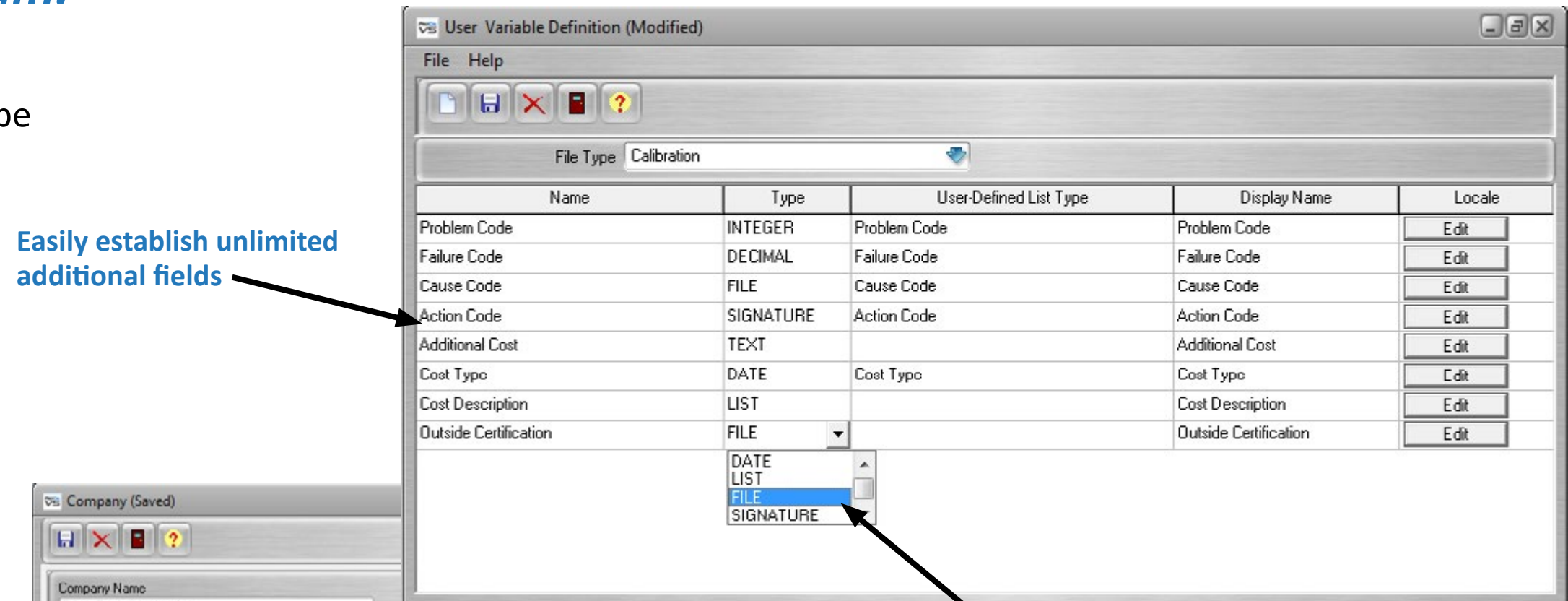
User Defined Variables & Labels

Add an unlimited number of user-defined variables (new fields) to each section in the program.

Features

User defined fields can be characterized as a:

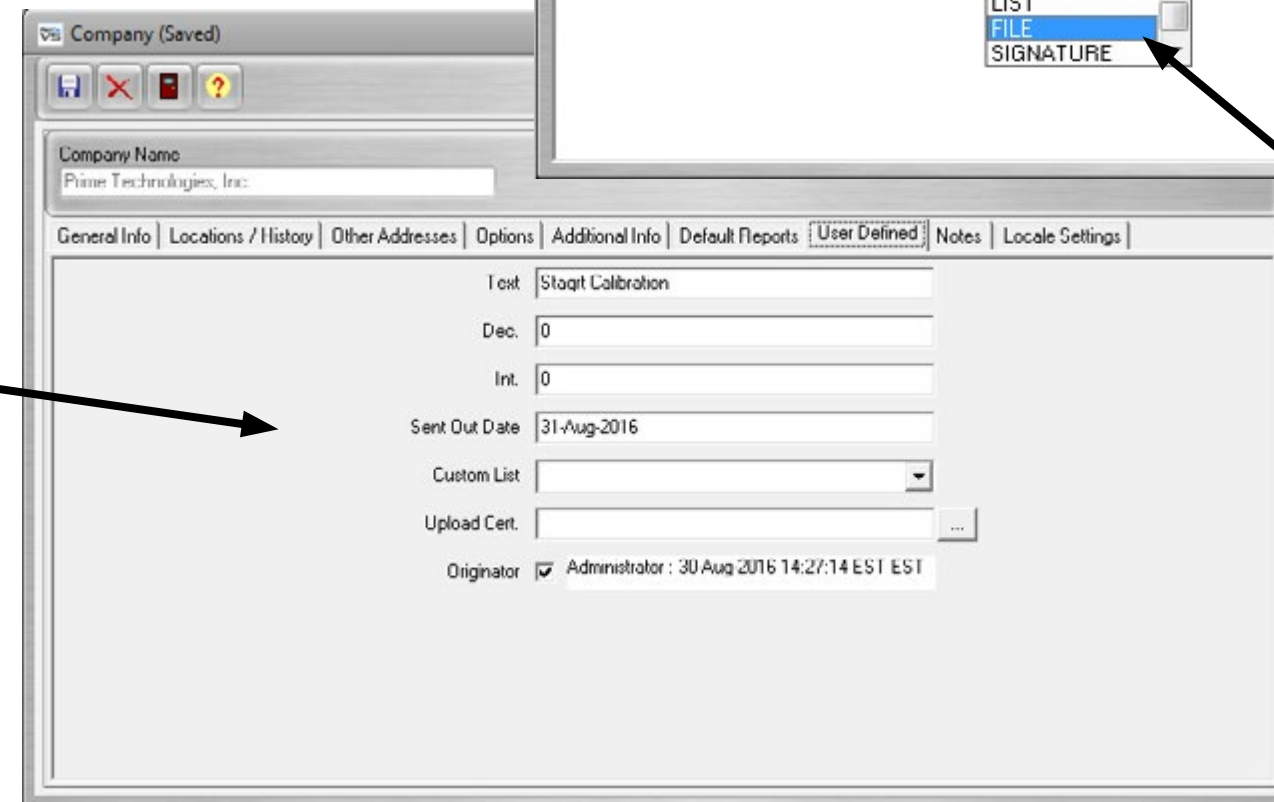
- » Text
- » Decimal
- » Integer
- » Date
- » List
- » File
- » Signature



Easily establish unlimited additional fields

Characterize field types

Customize your database

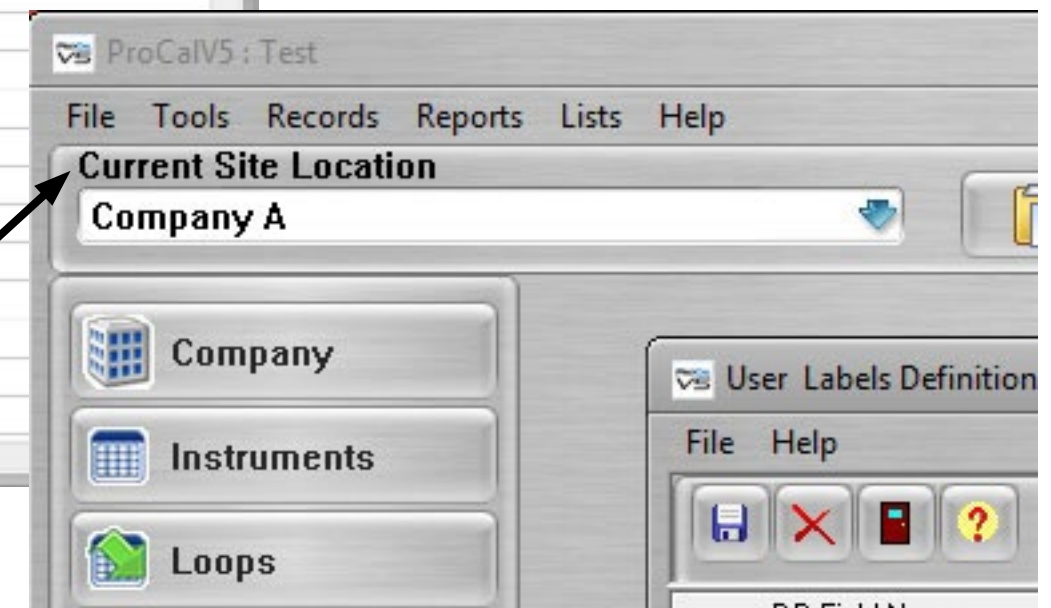
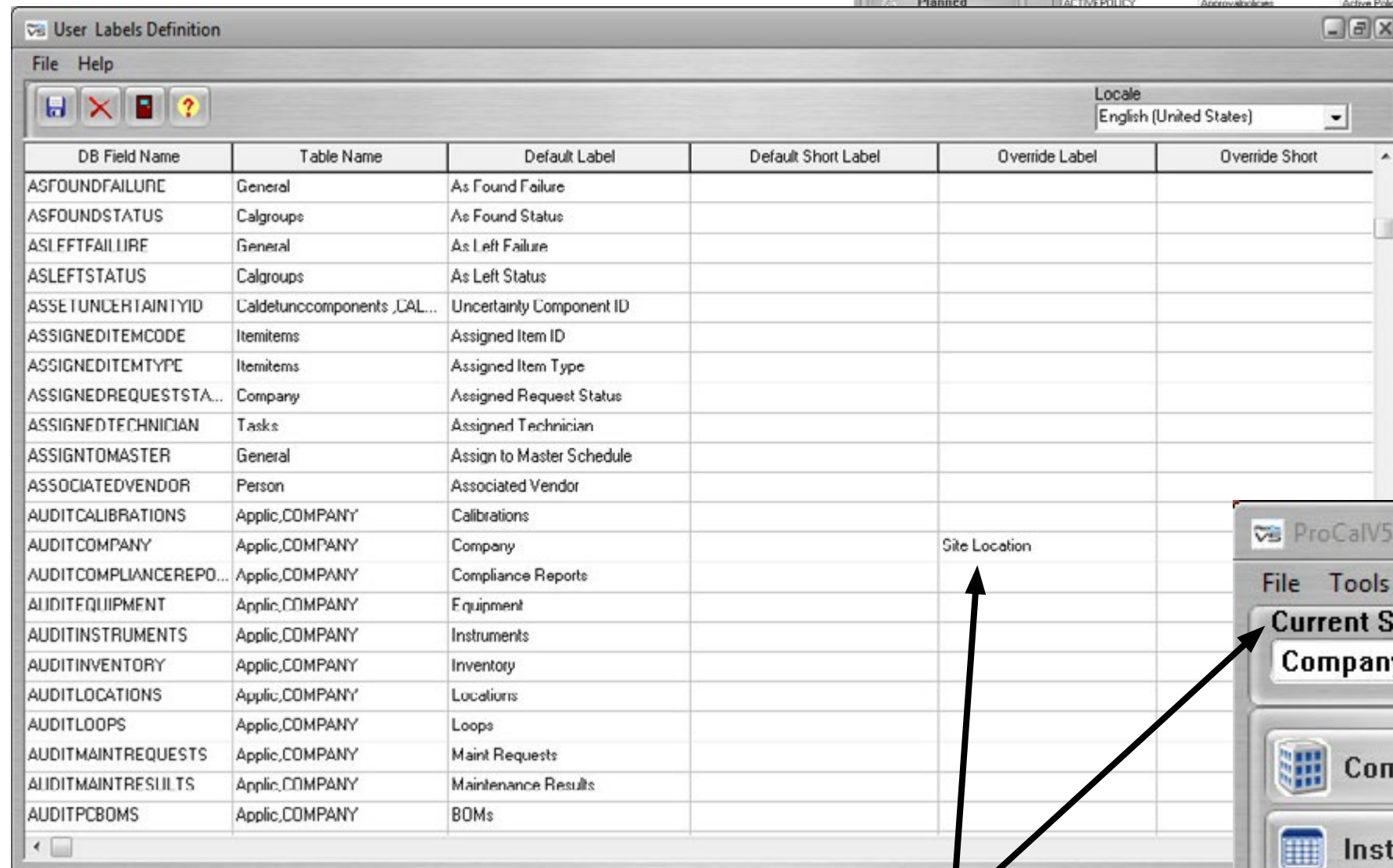
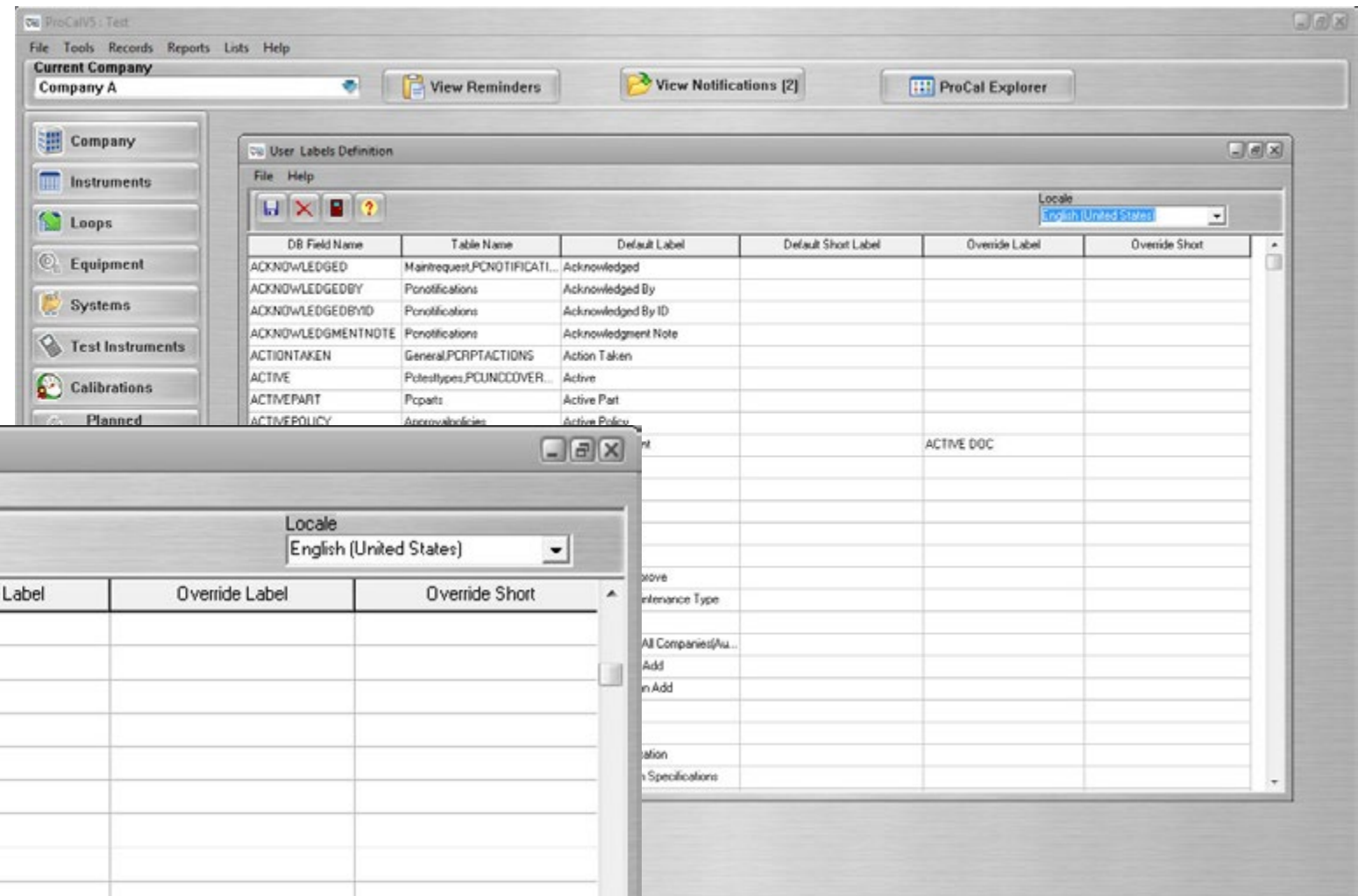


User Defined Labels

Create Your Own Labels.

Features

You can define and enforce field labels, drop down lists, etc.



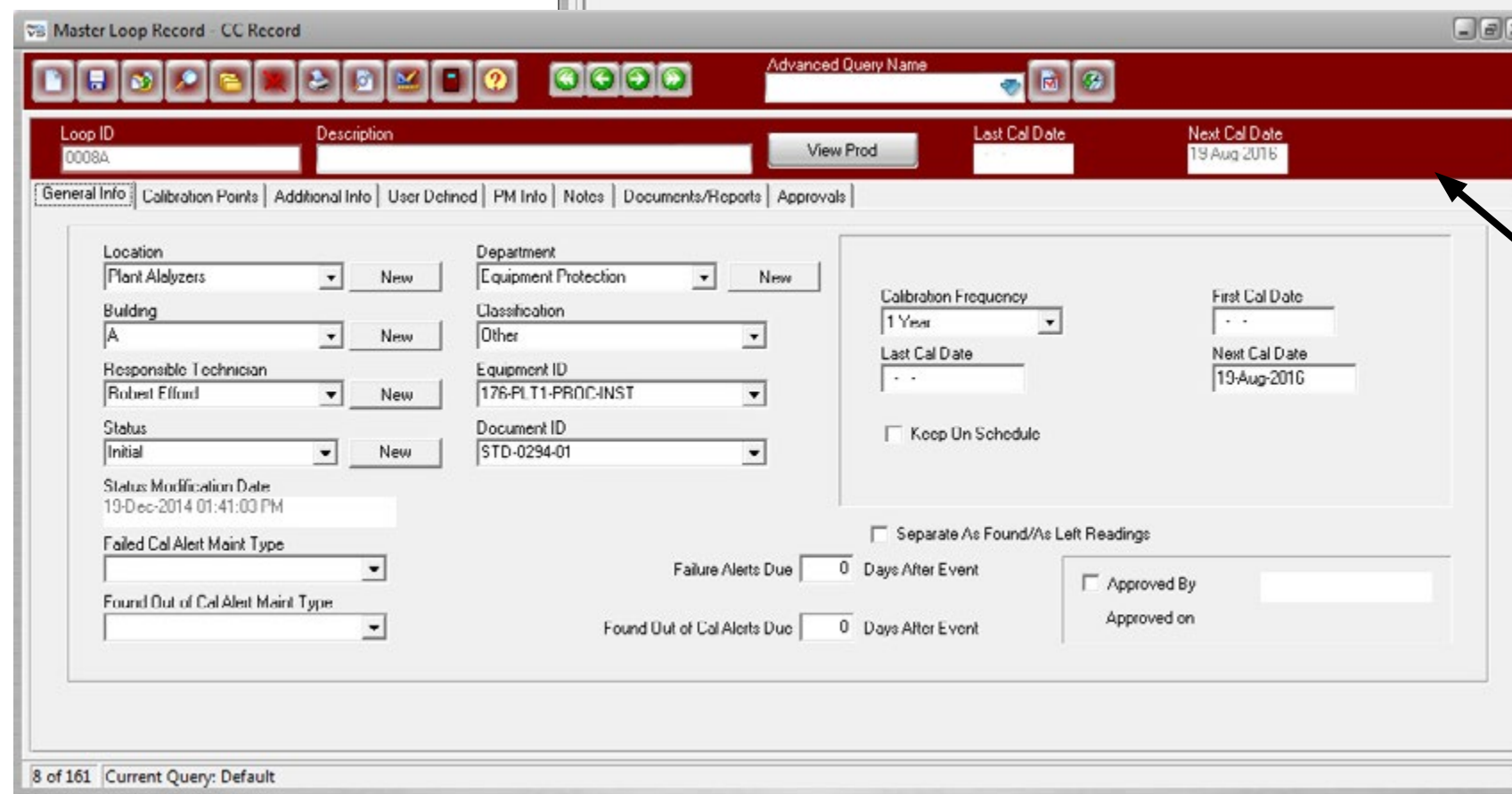
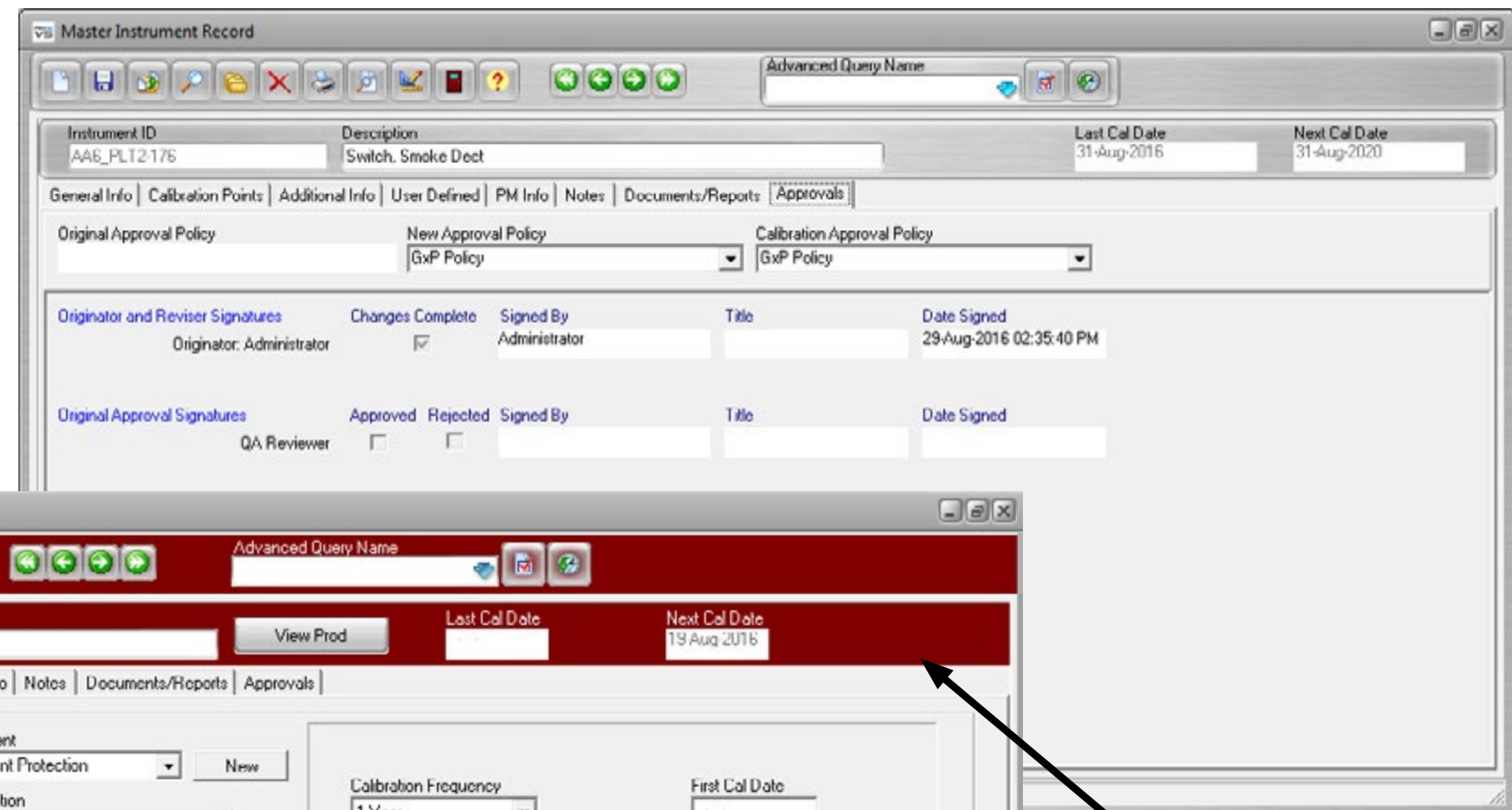
Enter Your Own Labels Here To Change Virtually Any Of The Fields In ProCalV5

| Change Control

Improve management control of work practices.

Features

- » Request change subject to approval
- » Assign e-signature approval processes
- » Track all asset history prior to and after change



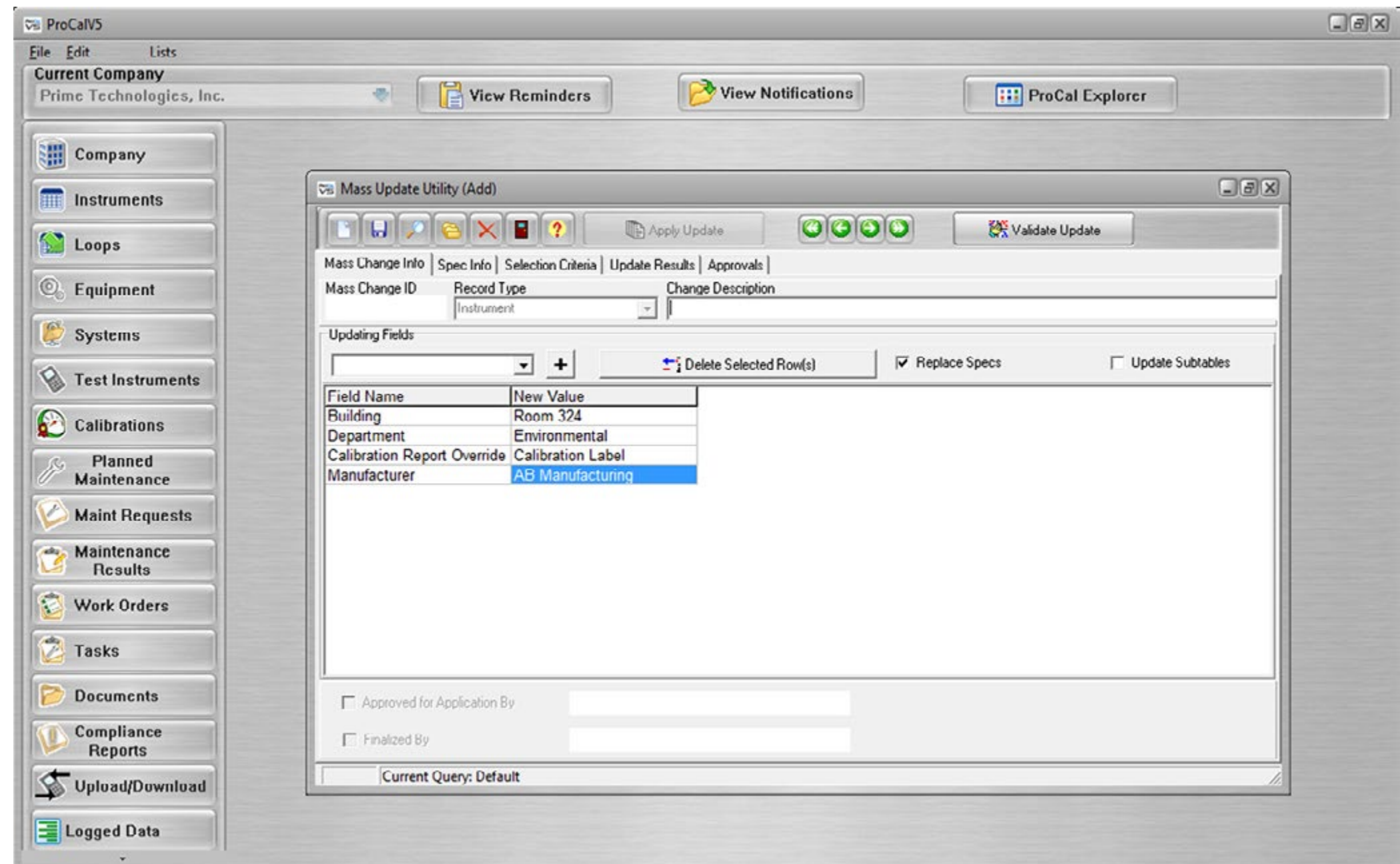
Color change indicating change control

Mass Update Utility

Make changes to multiple records all at once.

Features

- » Maximize record building productivity
- » Sort existing records via a specific set of selection criteria
- » Apply approval signatures
- » Log time/dates via audit trails

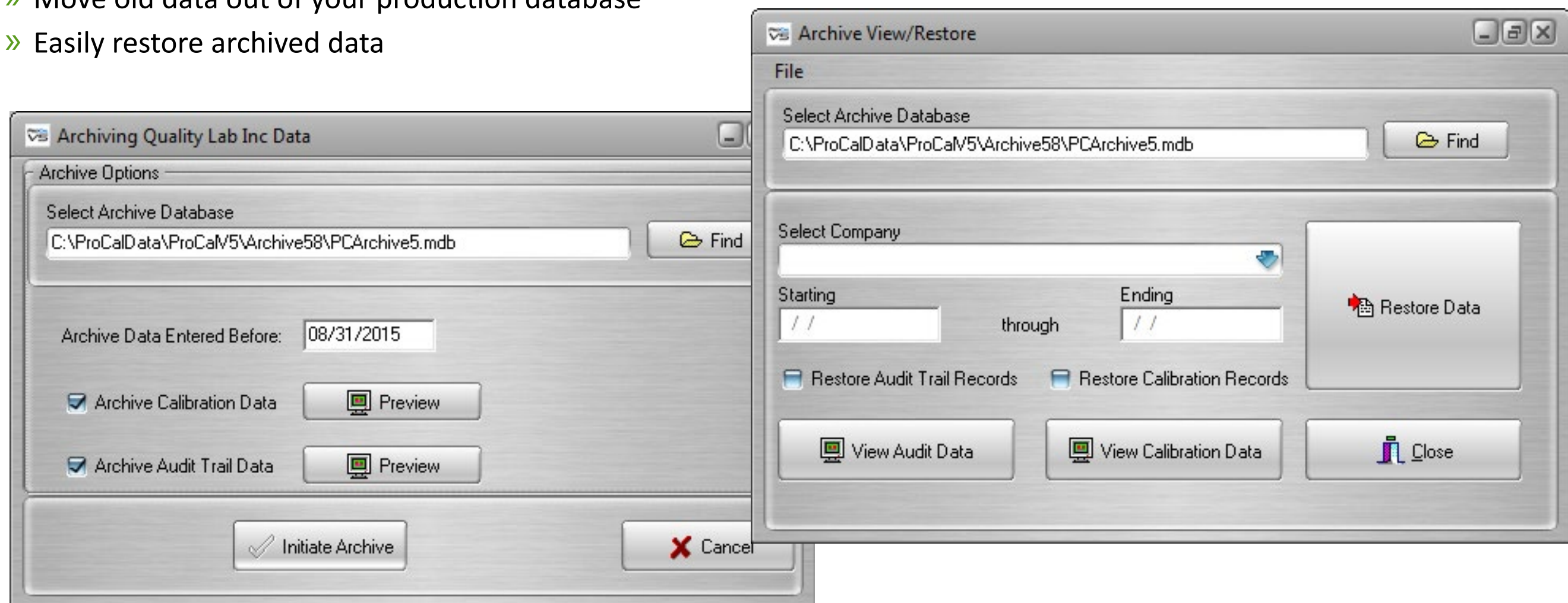


Archive Utility

Easily retire calibration and audit trail information from your production database.

Features

- » Comes standard with ProCalV5
- » Move old data out of your production database
- » Easily restore archived data



Electronic Approval Policies

Custom approval policies may be defined to suit the user's workflows and quality practices.

Features

- » Quickly establish a library of multiple approval practices
- » Apply any one practice to specific documents or activity
- » E-signature approvals may be by all simultaneously or via a forced routing

Sig ID	Signature Meaning	User Group(s) Permitted to Sign
91	QA Reviewer	17G-QA
398	Quality Acceptance	103-QA;122-Cal Tech
399	Engineering Approval	128-Cal Tech;128-QA
400	Business Practices	122-Site Admin

Create basic or complex approvals

Original and Reviser Signatures	Changes Complete	Signed By	Title	Date Signed
Originator: Administrator	<input checked="" type="checkbox"/>	Administrator		29-Aug-2016 02:47:43 PM

Original Approval Signatures	Approved	Rejected	Signed By	Title	Date Signed
QA Reviewer	<input type="checkbox"/>	<input type="checkbox"/>			

Reminders, Notifications and Alerts/Warnings

Alerts users based on their account and group membership roles and responsibilities.

Features

Set reminders for:

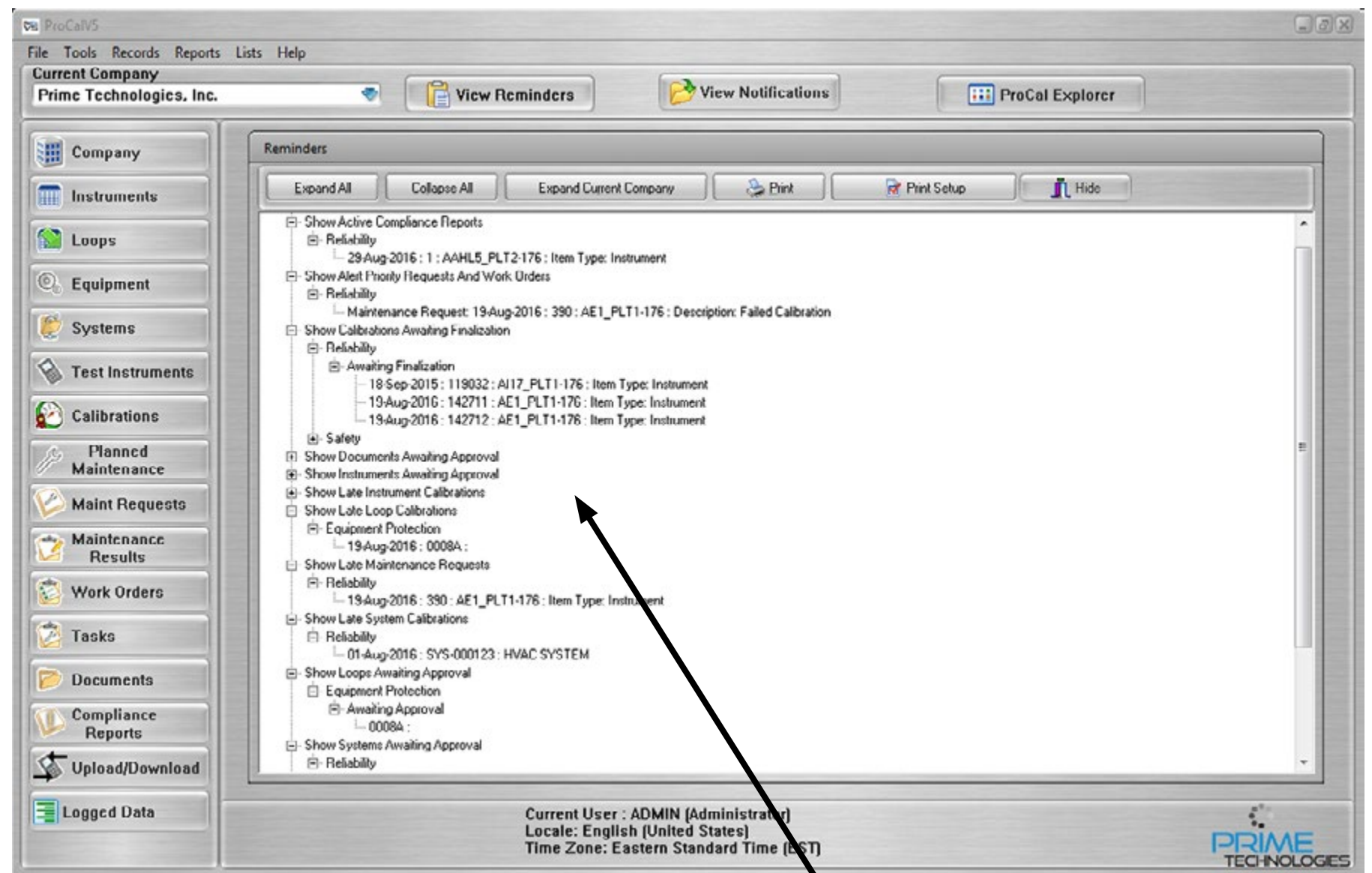
- » New instrument records
- » Process changes awaiting approval
- » Scheduled completed calibrations awaiting finalization/review
- » Quality controlled documents/procedures that need action

Also configure for:

- » Routine records
- » Corrective action
- » Planned events for approval

Send Alerts/Warnings for:

- » Failed As Fnd/Left readings
- » Late scheduled events
- » Non-compliant QA events



Configure reminders
for easy notifications

Part 4

Our Core Competency Powerful Calibration Features

“ProCalV5 is the best software I have researched and implemented, and there have been quite a few by now. There are many pros that come to mind. Regarding cons, I can not really think of any. Whenever there has been something that we have liked the software to do differently (I can think of once or twice in several years) the ProCalV5 folks have made it happen.”

Miriam Calvo-Gil
Production IS Manager,
Kapco Global



Powerful Calibration Controls

Even the most complex calibrations for instruments, loops, systems, and test instruments are made simple.

Features

- » Auto-populates from the master record
- » Supports simultaneous or separate found as/left as data entry
- » Font colors change as input data meets expected values
- » Optimum test values can be changed and the program auto-calculates new tolerances
- » Supports two bands of tolerances
- » Manage multiple test groups
- » Save records as in-complete
- » Works with offline mobile workstations and documenting calibrators

Calibration (Add)

Item Type: Instrument, Instrument ID: AF1_PLT1-176, Calibration ID: 0, Calibrated: 19-Aug-2016, Scheduled: 01-Aug-2016, Cal Frequency: 1 Year

Group 1 of 3 [Analyzer Calib]

Input Signal: Input Type: % O2, In Low Range: 98.00, In High Range: 100.00, Output Signal: Output Type: % O2, Out Low Range: 98.00, Out High Range: 100.00

Status: Initial

Point	Inputs		Actual Inputs		Output Specifications		Spec Limits		Control Limits		Readings		Description
G-#	Nom In Val	In +/-	In Val	In Type	Out Val	Out Type	Low	High	Low Ctrl	High Ctrl	Fnd As	Lft As	
1-1	98.00	0.00	98.00	% O2	98.00	% O2	97.97	98.03	97.99	98.02	98	98	
1-2	98.14	0.00	98.14	% O2	98.14	% O2	98.11	98.17	98.13	98.16	98.13	98.13	
1-3	98.29	0.00	98.29	% O2	98.29	% O2	98.26	98.32	98.28	98.31	98.26	98.26	
1-4	98.43	0.00	98.43	% O2	98.43	% O2	98.40	98.46	98.42	98.45	98.42	98.42	
1-5	98.57	0.00	98.57	% O2	98.57	% O2	98.54	98.60	98.56	98.59	98.56	98.56	
1-6	98.71	0.00	98.71	% O2	98.71	% O2	98.68	98.74	98.70	98.73	98.7	98.7	
1-7	98.86	0.00	98.86	% O2	98.86	% O2	98.83	98.89	98.85	98.88	98.86	98.86	
1-8	99.00	0.00	99.00	% O2	99.00	% O2	98.97	99.03	98.99	99.02	99	99	
1-9	99.14	0.00	99.14	% O2	99.14	% O2	99.11	99.17	99.13	99.16	99.14	99.14	
1-10	99.29	0.00	99.29	% O2	99.29	% O2	99.26	99.32	99.28	99.31	99.3	99.3	
1-11	99.43	0.00	99.43	% O2	99.43	% O2	99.40	99.46	99.42	99.45	99.45	99.45	
1-12	99.57	0.00	99.57	% O2	99.57	% O2	99.54	99.60	99.56	99.59	99.57	99.57	
1-13	99.71	0.00	99.71	% O2	99.71	% O2	99.68	99.74	99.70	99.73	99.71	99.71	
1-14	99.86	0.00	99.86	% O2	99.86	% O2	99.83	99.89	99.85	99.88	99.86	99.86	
1-15	100.00	0.00	100.00	% O2	100.00	% O2	99.97	100.03	99.99	100.02	100	100	

Record pass, fail or incomplete

Easy data entry right on screen

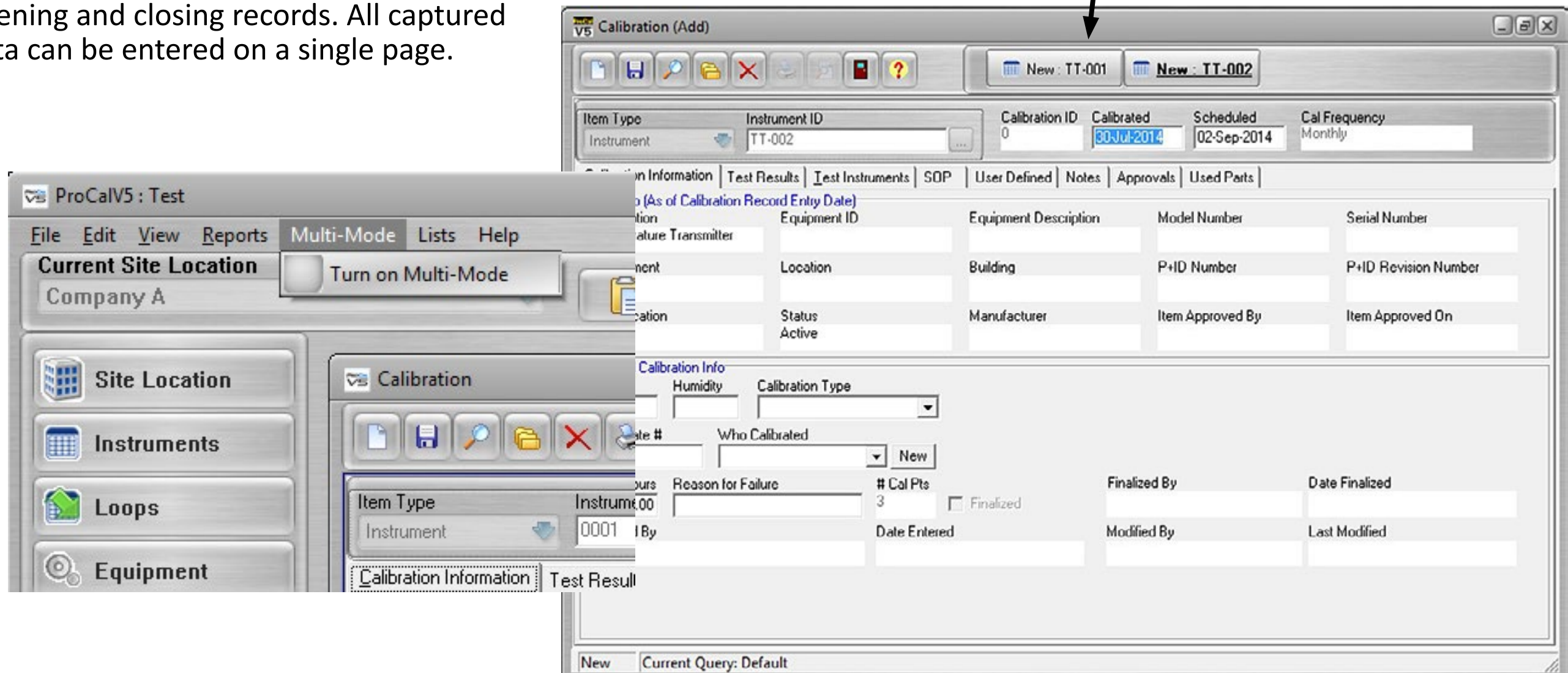
| Multi-Mode Calibrations

Perform calibrations to multiple devices simultaneously while progressing through the full range of test point values.

Features

Easily tab to multiple assets without opening and closing records. All captured data can be entered on a single page.

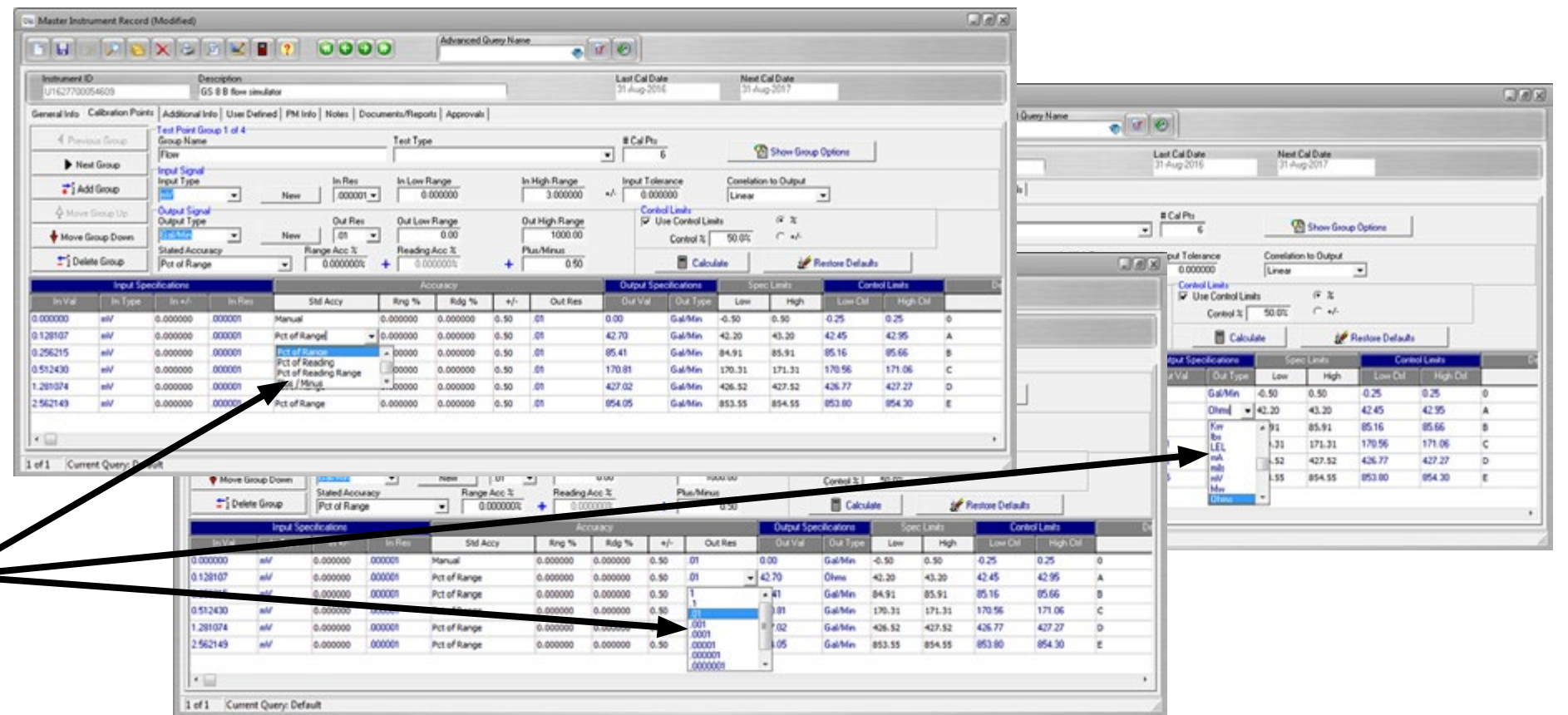
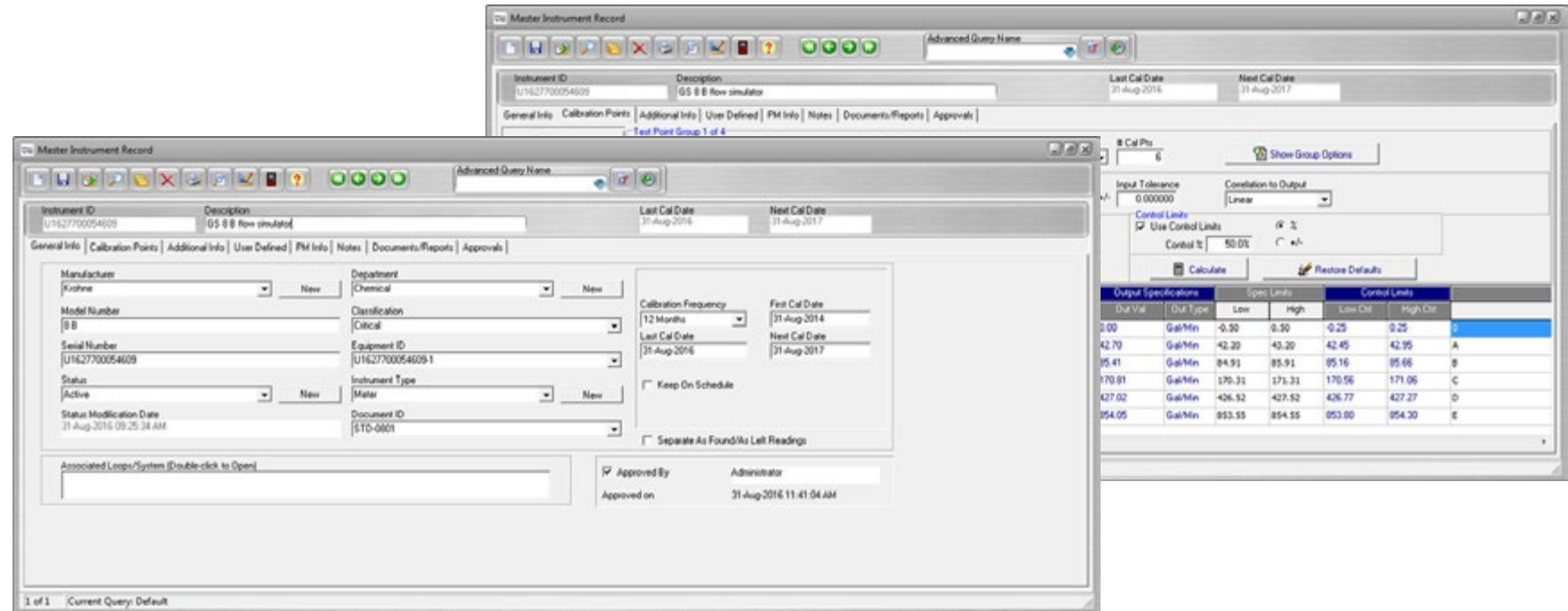
Tabbed Menu Bar Containing
Multiple Calibration Records



Master Instrument Record - Details Matter

Fast - Powerful - Convenient Features

- » Parent/child relationships
- » Powerful interface
- » Change field labels
- » Fast type field entry
- » Duplicate records/templates
- » Frequencies via calendar or usage
- » Global changes
- » Flexible scheduling
- » Advanced math functions
- » Multiple test groups per asset
- » Establish required fields
- » E-signature approvals
- » Unlimited user-defined fields
- » Change control management
- » Much more



Edit calibration data in the calibration records

Test Point Groups - Not All Assets Are Created Equal

Assign multiple test point groups for a single instrument.

Features

Instruments vary in complexity. Some devices are simple, but others require multiple test routines for a single asset. ProCalV5 enables individual test groups, each with their own test points, different units of measure, correlating signal types, accuracy statements, resolutions, etc.

- » Multiple test groups
- » Differing signal correlations
- » Simple or complex accuracy statements
- » Asset master templates

Define multiple tests

The screenshots illustrate the software's capability to manage multiple test point groups for a single instrument. The top window shows 'Test Point Group 4 of 4' with a task list including '1. Check Cds', '2. Connect analogue ohm meter to terminals 7 & 8', and '3. Resistance reading should be between 25-200 ohm'. The middle window shows 'Test Point Group 3 of 4' with detailed input/output specifications and accuracy settings. The bottom window shows 'Test Point Group 2 of 4' with a table of test points. A 'Master Instrument Report' window is also visible on the right.

In Val	In Type	In +/-	In Res	Std Accy	Ring %	Rdg %	+/-	Out Res	Out Val	Out Type	Low	High	Low Off	High Off
0.000000	ohm	0.000000	0.000001	Pct of Range	0.000000	0.000000	0.50	01	0.00	Hz	-0.50	0.50	0.25	0.25
0.128167	ohm	0.000000	0.000001	Pct of Range	0.000000	0.000000	0.50	01	42.70	Hz	42.20	43.20	42.45	42.95
0.256235	ohm	0.000000	0.000001	Pct of Range	0.000000	0.000000	0.50	01	85.41	Hz	84.91	85.91	85.16	85.66
0.512470	ohm	0.000000	0.000001	Pct of Range	0.000000	0.000000	0.50	01	170.81	Hz	170.31	171.31	170.56	171.06
1.281674	ohm	0.000000	0.000001	Pct of Range	0.000000	0.000000	0.50	01	427.02	Hz	426.52	427.52	426.77	427.27
2.562349	ohm	0.000000	0.000001	Pct of Range	0.000000	0.000000	0.50	01	854.05	Hz	853.55	854.55	853.80	854.30

System Record

The highest level of parent/child relationship.

Features

- » Manage complex devices with multiple components
- » System records can include hierarchical correlations to instruments, loops, equipment and other systems

The screenshot displays the 'System Record' window in PROCAL V5. The main form includes fields for System Code, Description, Location, Building, Responsible Technician, and various maintenance-related options like 'Failed Cal Alert Maint Type' and 'Notification Groups'. Below these are sections for 'Components Associated with this System', showing 'Available Items' and 'Assigned Components'. A blue arrow points to the 'Assign' button in the 'Assigned Components' section. A secondary window on the right shows 'Query Name' and 'Last Cal Date' fields. At the bottom, a message box states 'This System is not currently a subsystem of another System record.'

Easily assign components

Equipment Record

Add, modify and if necessary, delete equipment records.

Features

Master asset records sometimes require on-demand or routine service instructions but not necessarily calibration. Some need both maintenance & calibration. The Equipment record supports this level of hierarchal segmentation.

The screenshots illustrate the 'Equipment Record' interface in PROCAL V5. The top window shows a table of 'Planned Maintenance Assigned to this Equipment' with columns for PM ID, Maintenance Type, Description, Next Date, Last Date, Responsible Employee, and Responsible Vendor. The middle window shows the 'Associated Documents' section, including a list of 'Available Documents' (DOC-001 to DOC-005) and a field for 'Documents Associated with this Equipment'. The bottom window shows the 'General Info' tab with fields for Location, Building, Equipment Type, Manufacturer, Model Number, Status, Classification, and Serial Number.

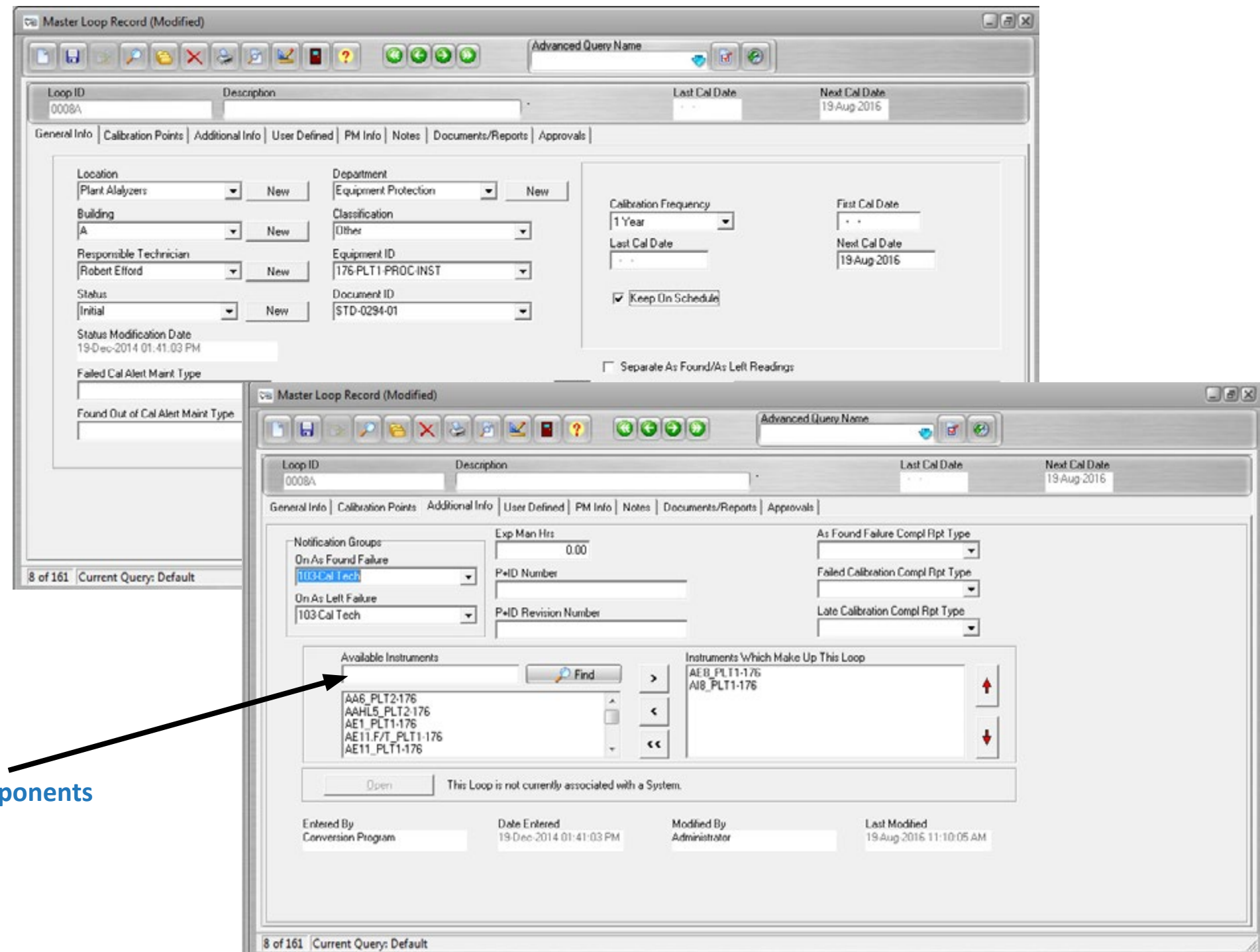
PM ID	Maintenance Type	Description	Next Date	Last Date	Responsible Employee	Responsible Vendor
5	Examine To Spec	Examine Instrument to Specifications	12/31/2012	12/15/2011	Call Brator	

| Loop Record

Manage multiple loop items and information.

Features

- » Assign multiple connected devices to a single calibration event
- » Correlate loops to devices/ devices to loops
- » Establish parent/child asset relationships



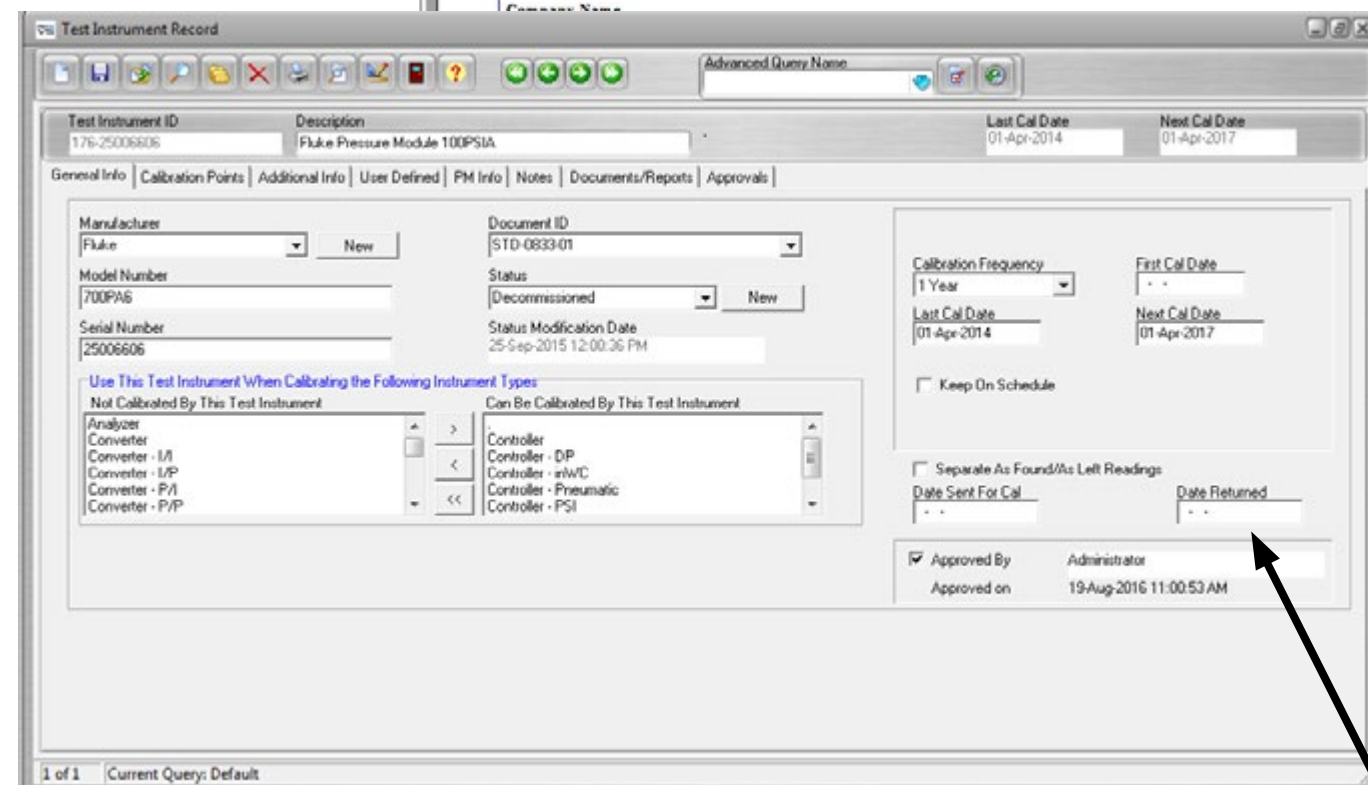
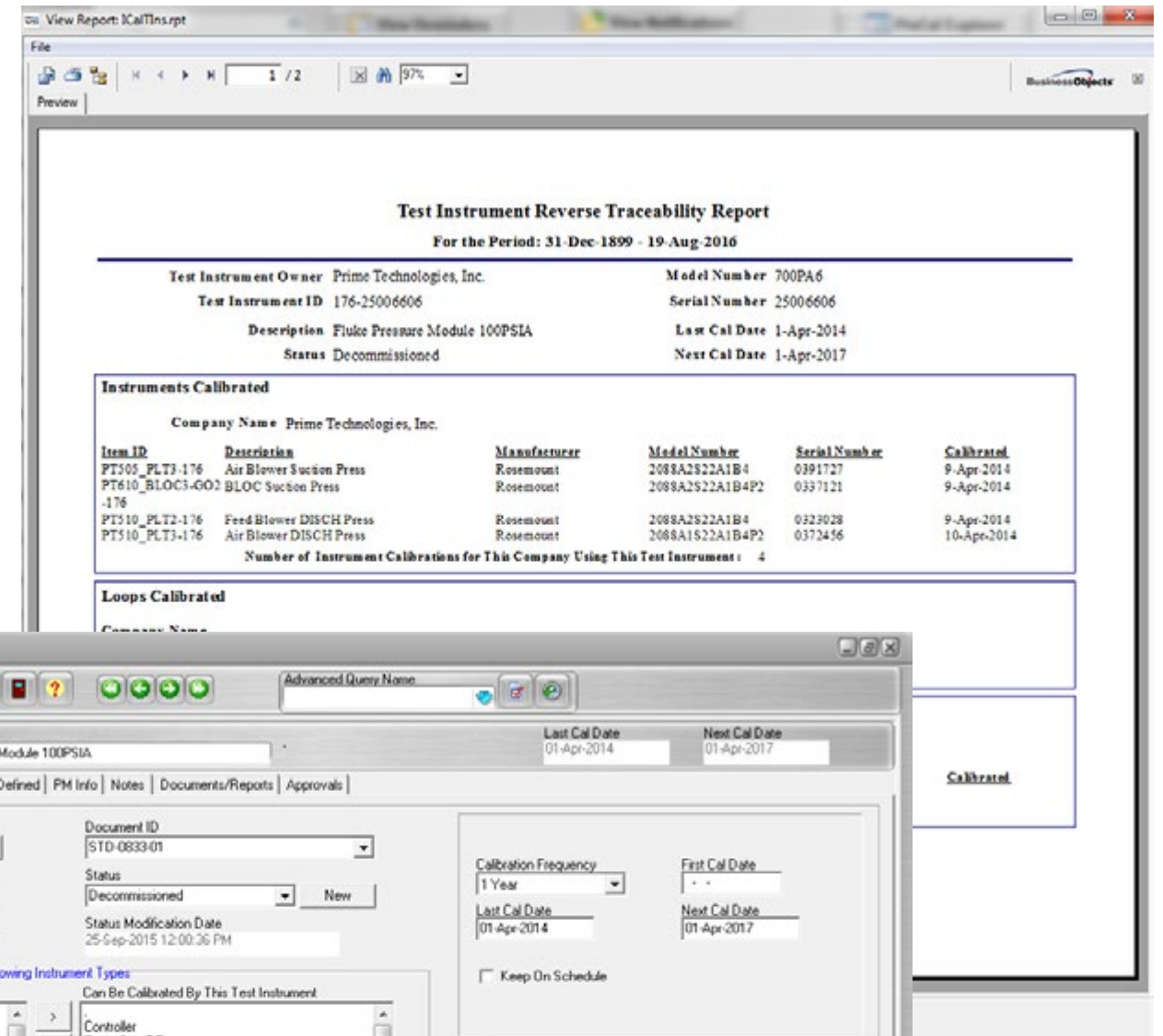
Easily associate
instrument components

| Test Instrument Record

Separate controls for test standards.

Features

- » Test standards can be assigned for use with specific DUTs
- » Manage frequencies via calendar days or usage count
- » Manage service vendor standards make them unique for use within specific accounts
- » Manage in/out dates when standards are sent to vendors for recalibration
- » Apply recertification data numerically on each service record
- » Attach dated PDF calibration documents to asset records



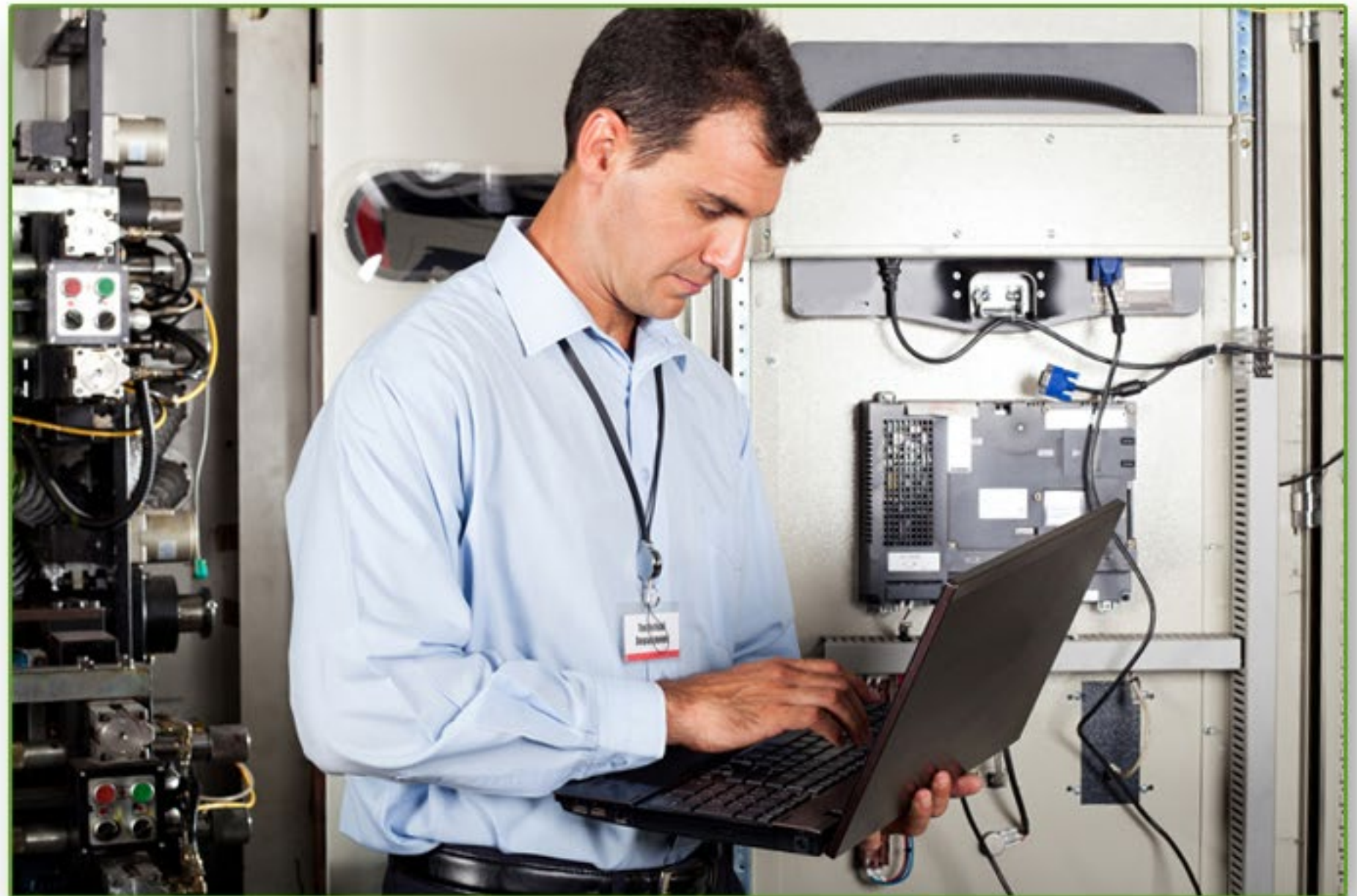
Manage third-party calibrations

Part 5

Compliance and Security

*“Easy to use and a familiar platform.
Very good implementation plan and
the validation documentation was
very good. Excellent product support”*

Rickey Dame
Sr. QA Technician,
BARD
ElectroPhysiology
- Division of CR BARD



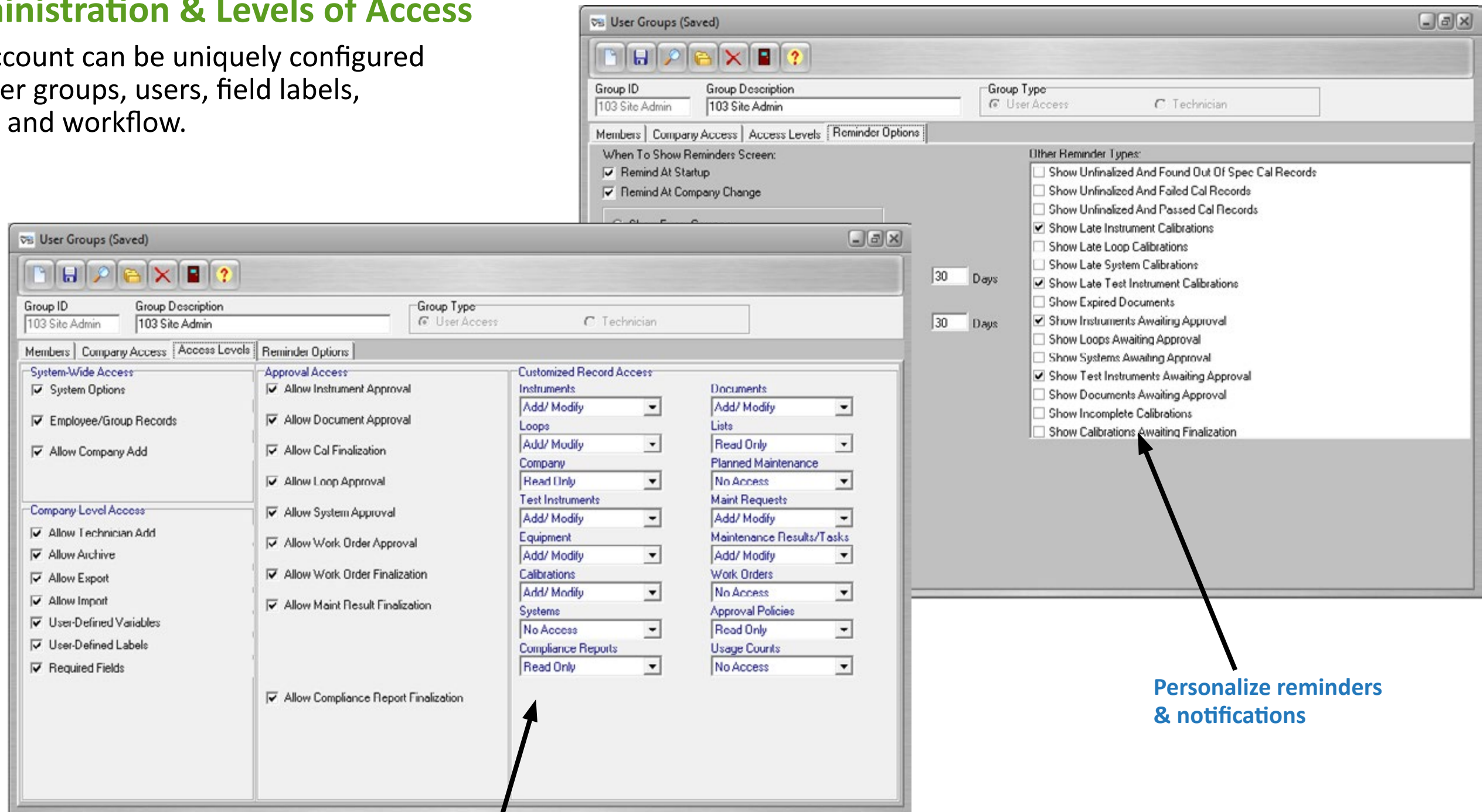


User Level Access and Security

Supports multiple accounts, user groups and users.

User Administration & Levels of Access

Each account can be uniquely configured with user groups, users, field labels, reports and workflow.



Customize record
access for users

Personalize reminders
& notifications

Audit Trail

The industry first, 21 CFR Part 11 compliant calibration management solution.

Features

- » Time/date audit trails
- » Security screen timeouts
- » Username/password access
- » Audited quality development practices
- » Pre-validated prior to release

Work History for Instrument AE1_PLT1-176

Calibration ID	Calibrated	Scheduled	Who Calibrated	Found As	Left As
142711	19-Aug-2016	01-Aug-2016	Robert Efford	Fail	Fail

Event History for Instrument AE1_PLT1-176 (Created 19-Dec-2014 01:41:00 PM)

Date/Time	Event Type	Item Type	Item ID	Description/Note
04-May-2016 03:00:39 PM	Approval History	Instrument	AE1_PLT1-176	Record Unapproved by Kevin Bish
19-Aug-2016	Calibration	Instrument	AE1_PLT1-176	Cal ID 142711 Entered 19-Aug-2016 10:59:05 AM - Failed
19-Aug-2016 10:48:01 AM	Approval History	Instrument	AE1_PLT1-176	Record Approved by Administrator
19-Aug-2016 10:59:05 AM	Maintenance Request	Instrument	AE1_PLT1-176	Request ID 389 : PMR
19-Aug-2016 11:26:51 AM	Location Change	Instrument	AE1_PLT1-176	Building changed from "" to "B"
19-Aug-2016 11:26:51 AM	Approval History	Instrument	AE1_PLT1-176	Record Approved by Administrator

Audit Trail

- 19-Aug-2016 11:26:51 AM - Modify - Administrator
 - Approval Date (APPROVALDATE)
 - Old: 19-Aug-2016 10:48:01 EST
 - New: 19-Aug-2016 11:26:51 EST
 - Building (BUILDING)
 - New: B
 - Last Modified (LASTMODIFIED)
 - Old: 19-Aug-2016 10:59:05 EST
 - New: 19-Aug-2016 11:26:51 EST
 - Responsible Technician (RESPONSIBLETECHNICIAN)
- 19-Aug-2016 10:59:05 AM - Modify - Administrator
 - First Cal Date (FIRSTCALIBRATIONDATE)
 - New: 19-Aug-2016
 - Last Modified (LASTMODIFIED)
 - Old: 19-Aug-2016 10:48:01 EST
 - New: 19-Aug-2016 10:59:05 EST
- 19-Aug-2016 10:48:01 AM - Modify - Administrator
 - Approval Date (APPROVALDATE)
 - Approved By (APPROVEDBY)
 - Last Modified (LASTMODIFIED)
 - Next Cal Date (NEXTCALIBRATIONDATE)
- 19-Aug-2016 10:46:53 AM - Modify - Administrator

Keep complete
event history

| Non-Compliance Event Reporting

Auto-generate alerts and warnings for noncompliant events.

Features

- » Noncompliant event reports are communicated electronically to those responsible for action or approval
- » Events occur automatically based on pre-defined
- » settings within the master instrument record
- » Late calibrations (pass/fail)
- » Out of Tolerance (as found/left failure)
- » Failed calibrations

Communicate important & critical events

The image displays three overlapping screenshots of the PROCAL V5 software interface. The top and middle windows show the 'Compliance Reports Record' for Report ID 1, Item Type Instrument, and Item ID AAHL5_FLT2-176. The top window shows the 'General Info' tab with fields for Originator and Reviser Signatures, Changes Complete, Signed By, Title, and Date Signed. The middle window shows the 'Report Info' tab with fields for Event Type (Failed Calibration), Event Date (29-Aug-2016), Status (Open), Entered By, Date Entered, Modified By, and Last Modified. The bottom window shows a 'Reminders' tree view with various categories like 'Show Active Compliance Reports', 'Show Reliability', 'Show Alert Priority Requests And Work Orders', etc. An arrow points from the text 'Communicate important & critical events' to the 'Report Details' section in the middle window.

Part 6

Powerful Reporting

“Ease of use for non-computer literate technicians with excellent reporting and complete overview of all calibration activity. Great improvement to business workflow using ProCal work orders. It has a wide array of options to suit our needs and how we perform calibrations. An excellent software package, after reviewing many other CMS packages, ProCal was by far the best when considering functionality and cost.”

Patrick Bonner
Managing Director,
P.J. Bonner & Company

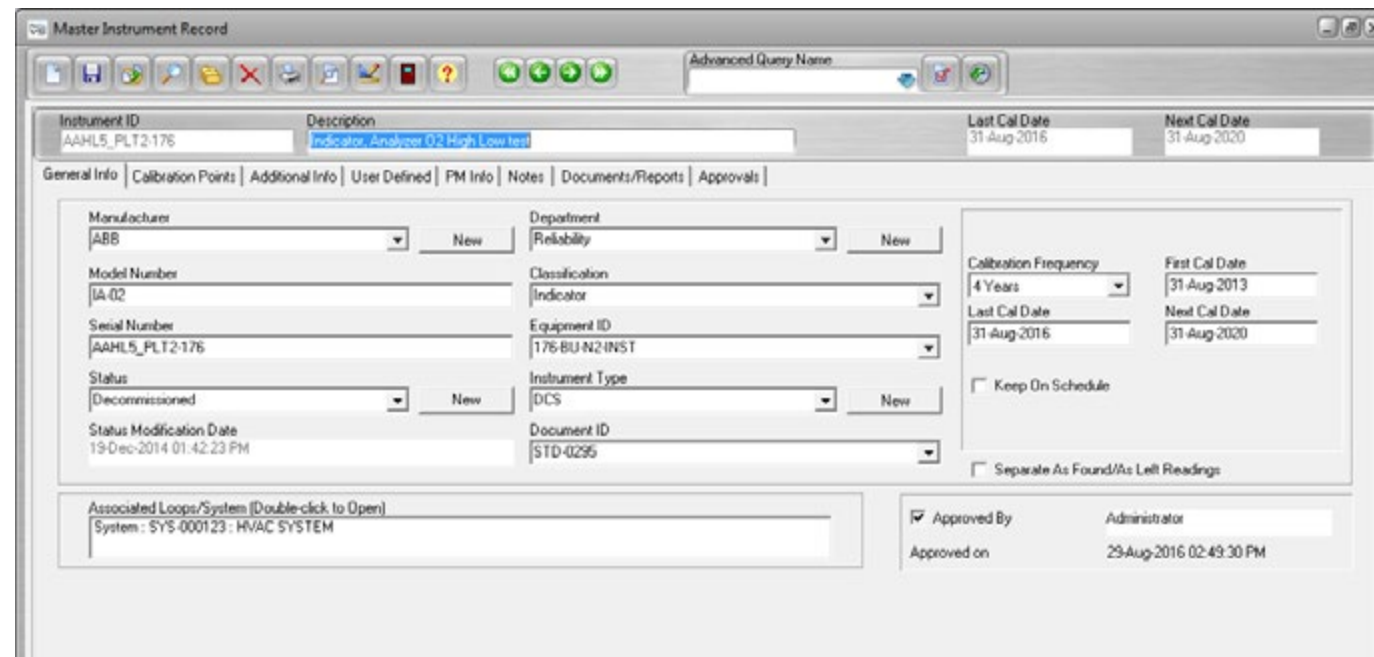


Advanced Queries

The advanced query tool enables a user to retrieve data based upon multiple criteria.

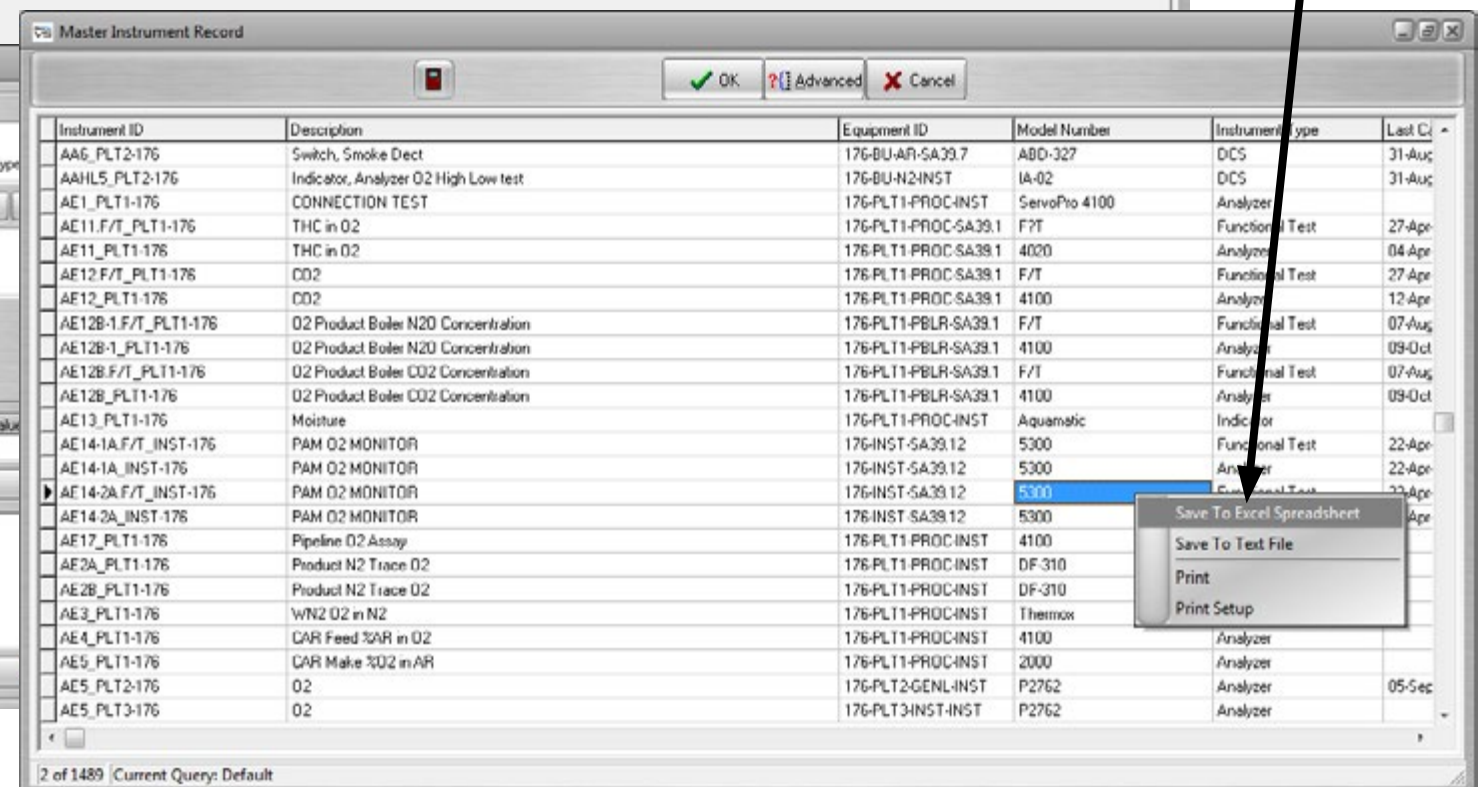
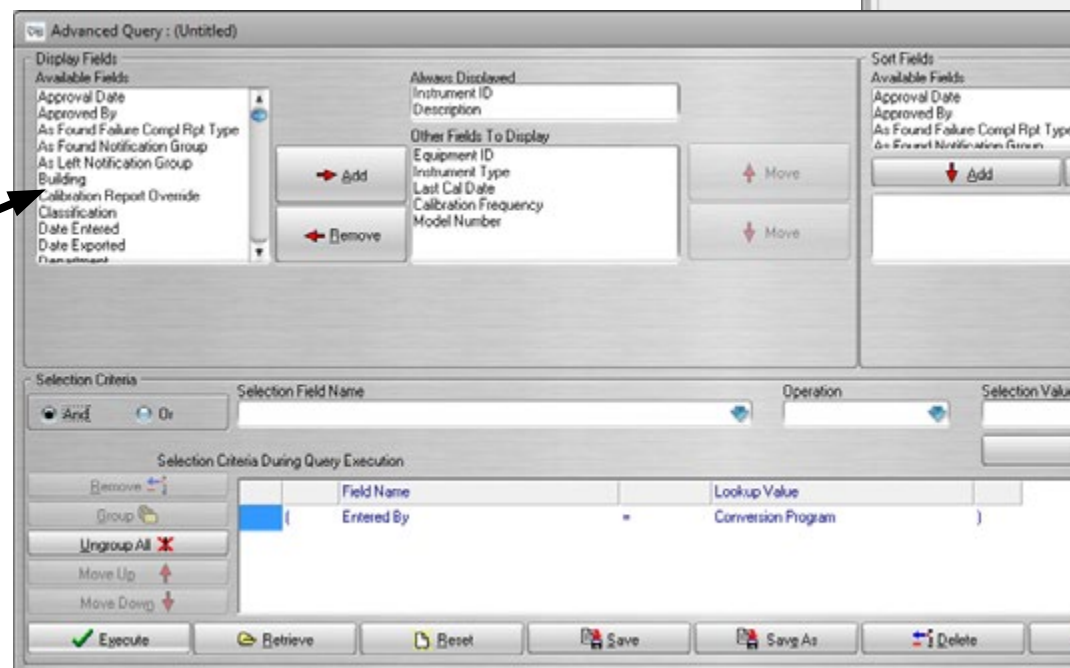
Features

- » Queries, once created, may be saved to use multiple times. They are a convenient way of filtering results, assignments, or evaluating records
- » Advanced Queries can also be used to choose items to Export to the Mobile Workstation, Work Orders, and to the Fluke Calibrator
- » Results can be exported to other file formats



Download queries executed to excel and more!

Custom data searches



ProCalV5 Explorer

An extremely fast and incredibly powerful way to view your data.

Features

Simple mouse clicks launch right into active records.
Instantly sort and view by:

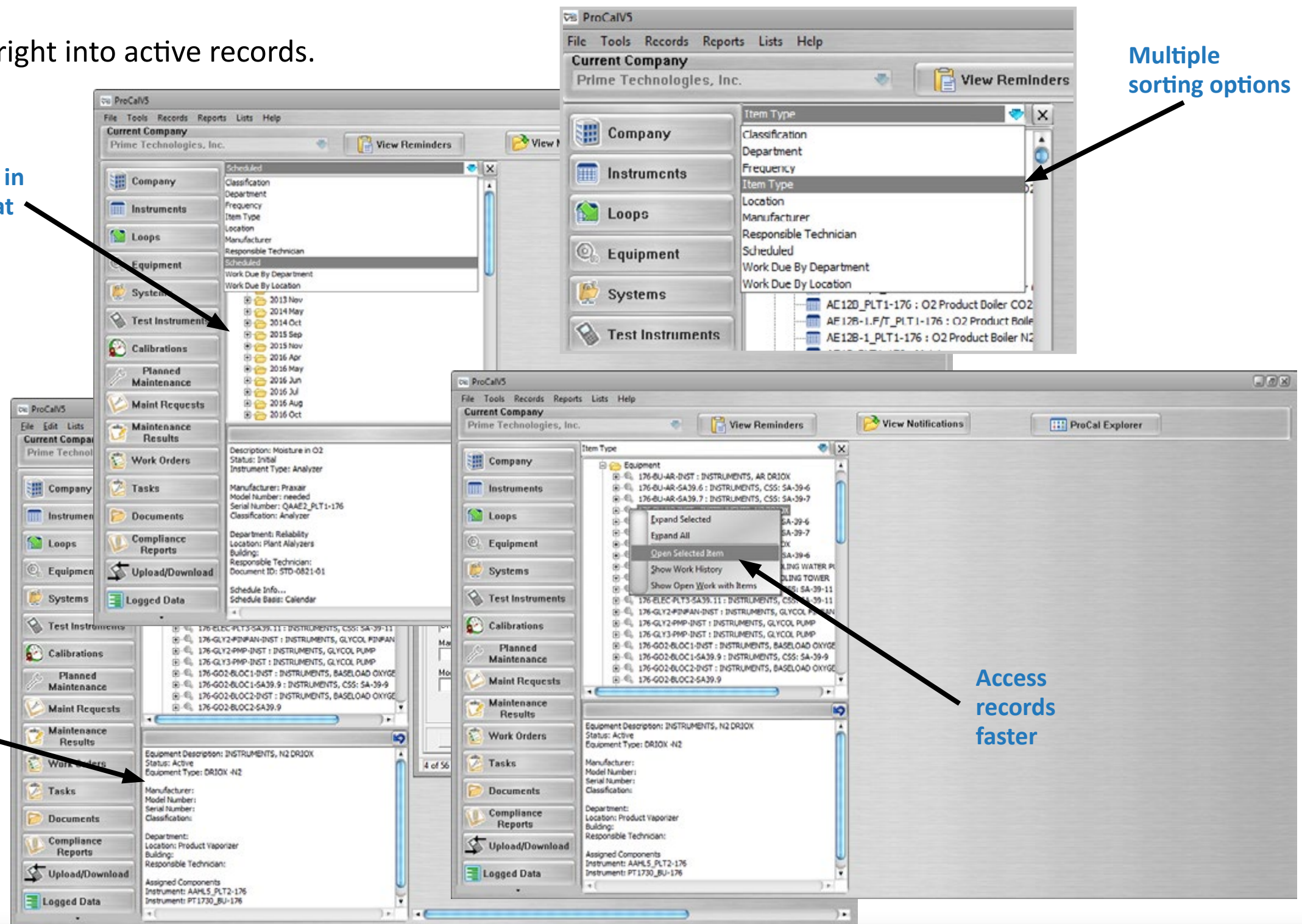
- » Classification
- » Department
- » Frequency
- » Item Type
- » Location
- » Manufacturer
- » Responsible Technician
- » Scheduled
- » Work Due By Department
- » Work Due By Location

View data in tree format

View asset details immediately

Multiple sorting options

Access records faster



Reports and Forms

Over 80 standard reports! Features

- » Reports can be customized and new ones added to meet your exacting needs
- » Reports may be accessed via the home screen, or organized based on the user window
- » Default reports may be assigned to Quick Report View buttons to make common views quickly accessible
- » User admins have full flexibility to customize (add/remove fields) the complete structure and content of new or existing reports

Professional summary reports

INSTRUMENT CALIBRATION REPORT

Quality Lab Inc
 Tag ID: AE3_PLT1-236
 Description: Analyser, Waste N2 Purity
 Calibrated: 9/3/2014

Manufacturer: Servomax Model Number: 4100
 Status: Active Serial Number: 395357
 Function: Analyser Calibration Type: STD #
 Location: Control Room
 Additional Info: Certificate #
 Service Category: Safety Temp
 Process ID: 236-PLT1-PROC-SA3916 Humidity

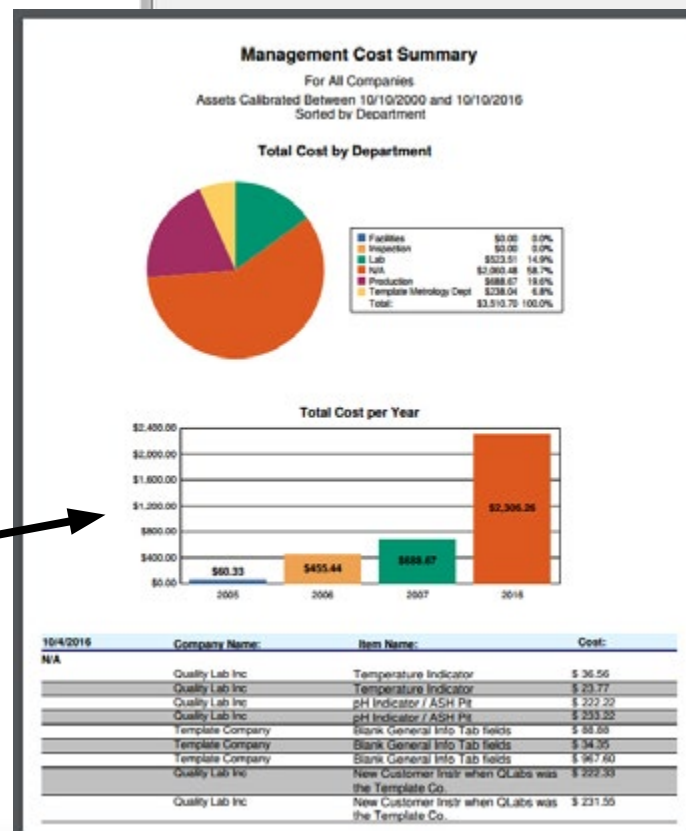
Calibration Specifications

Group #	Group Name	Range	Acc %	Range Acc %	Reading Acc %	Plus/Minus	Pass/Fail
1	Analyzer	0.0000 / 0.0000	% O2	0.0000	% O2	0.0300	0.00% Pass
		0.0000 / 0.0000	% O2	0.0000	% O2	0.0300	0.00% Pass
		4.5000 / 4.5000	% O2	4.5000	% O2	4.5900	2.00% Pass
		4.5000 / 4.5000	% O2	4.5000	% O2	4.5900	2.00% Pass

Test Instruments Used During the Calibration

Standard ID	Description	Manufacturer	Model Number	Serial Number	Last Cal Date	Next Cal Date
236-CC157760	AE-3 SPAN	PDI	PXEN30X3MP	cc157760		31-Dec-2016

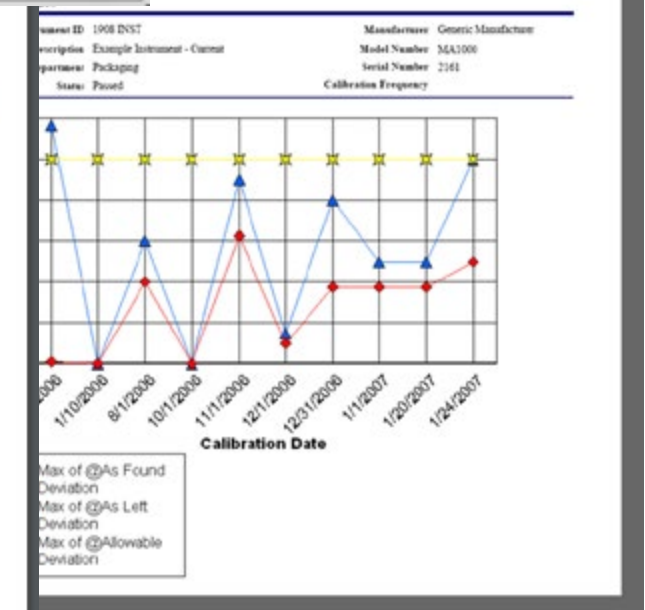
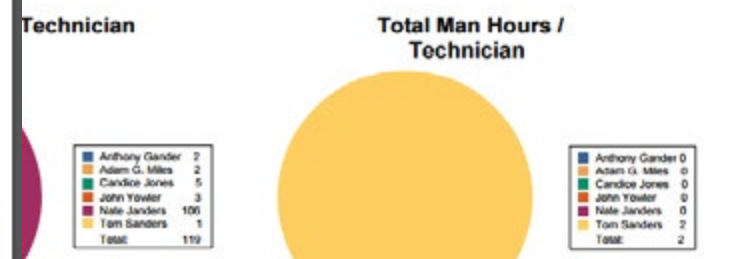
Calibration Result: Calibration Successful
 Who Calibrated: Lucas Lewis
 Finalized By: Conversion Program
 Date Finalized: 19-Dec-2014 2:30:54PM



Detailed analytics & metrics

Technician Productivity Report
 Items Calibrated between 10/10 and 12/10

Technician	Total Calibrations:	Total Man Hours:
106	0.00	
2	0.00	
2	0.00	
5	0.00	
3	0.00	
1	0.00	



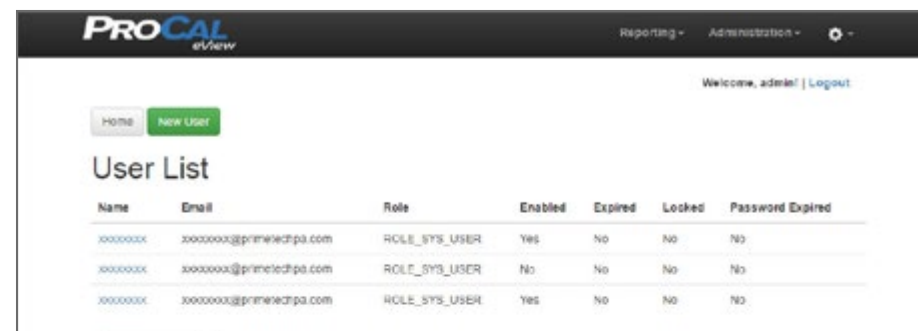
ProCal eView

Web-based report scheduling and delivery system

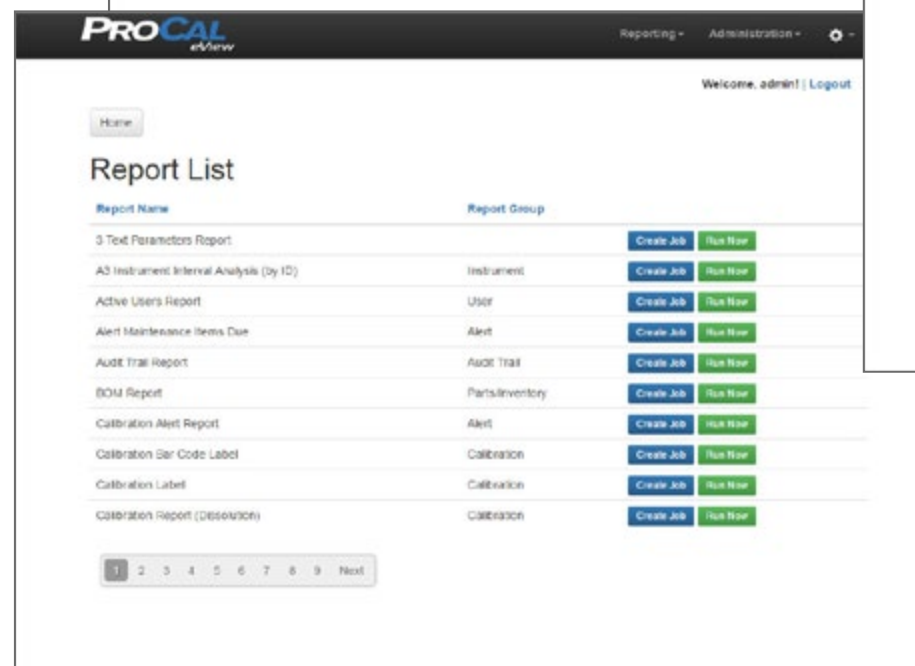
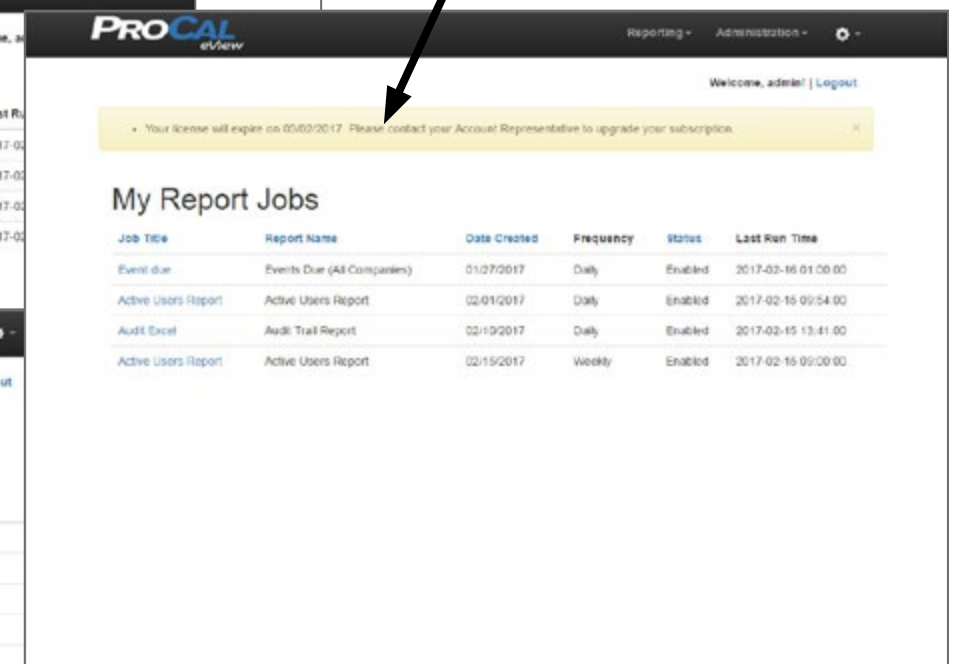
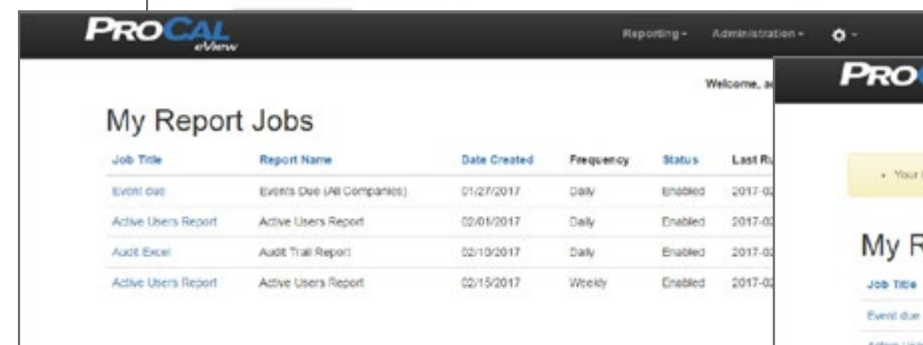
Easily schedule ProCal Reports to be executed and emailed to recipients! ProCal eView provides a web-based user experience where authorized users have the ability to schedule reports to be executed on a predefined timeline and automatically deliver the output to specific users.

ProCalV5's eView features and functionality include:

- » Calendar schedule & auto-execute any system reports
- » Auto deliver PDF or Excel reports to an unlimited number of specified e-mail recipients
- » Generate on-demand reports via secure web access
- » Powerful yet easy to use administration controls
- » License alerts are configurable and alerts at a default 45 days prior to expiring



License Alert to show your license is soon to expire. You can dismiss this message by clicking the "x" and you will not longer see it for the remainder of your session.



Part 7

Optional Features & Modules

“First off, ProCalV5 is the most robust Calibration Management System on the market. It not only allows you to track, maintain, and schedule calibration but you can track spare parts, manage PM’s and Work Orders as well. We have used ProCalV5 for 2 years now after looking at several different software packages. There is nothing better than ProCalV5.”

Scott Page
Sr. I&C Technician,
Metrology,
Fujifilm Diosynth
Biotechnologies

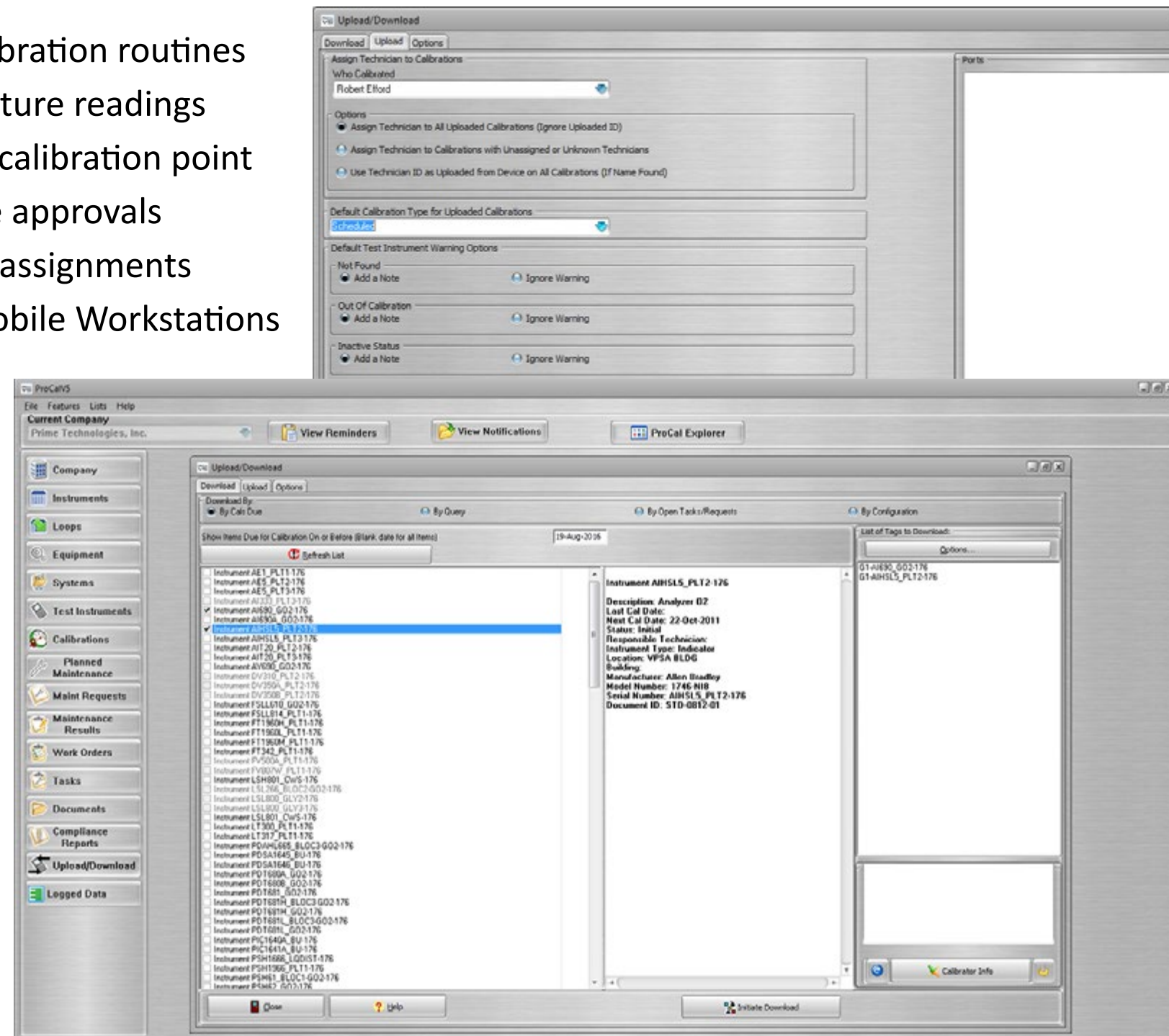


Field Calibrator Utility

High productivity paperless calibrations with no human errors!

Features

- » Upload/download calibration routines
- » Auto simulate and capture readings
- » Auto pass/fail at each calibration point
- » Upload for e-signature approvals
- » Also supports task list assignments
- » Works with off-line Mobile Workstations

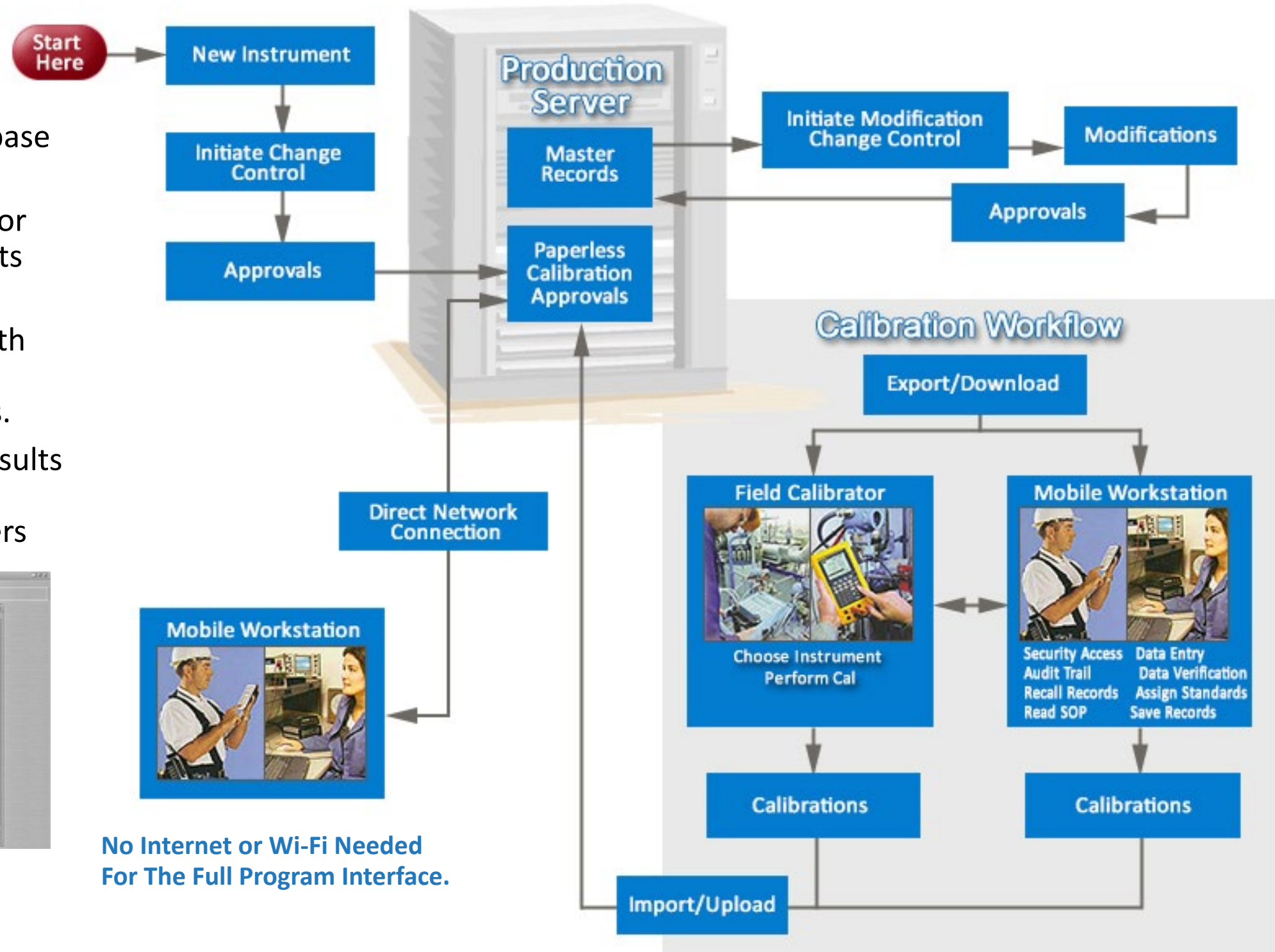
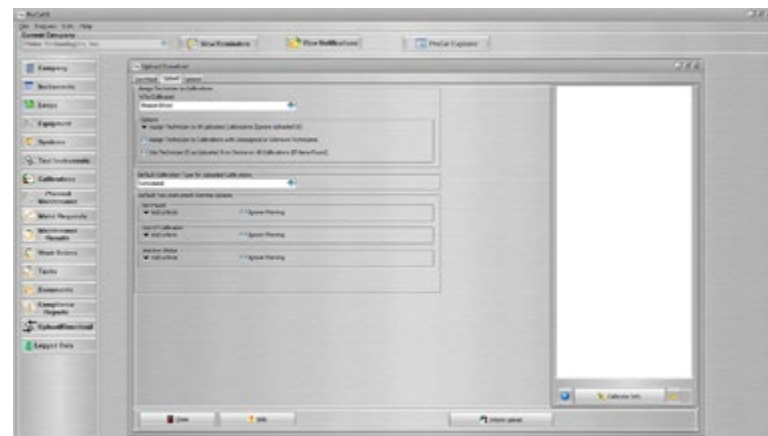


Mobile Workstation - Pre-Validated & 21 CFR Part 11 Compliant

Full program access utilizing the most powerful **OFF-LINE** calibration management technology in the industry!

Import/Export Utility

- » Import and export information between your production database and your off-line database
- » Selection via advanced queries or open work requests/assignments through batch transfers
- » Most features are accessible with this mobile solution including reporting and historical analysis.
- » Calibration and maintenance results entered in the field are easily uploaded through batch transfers

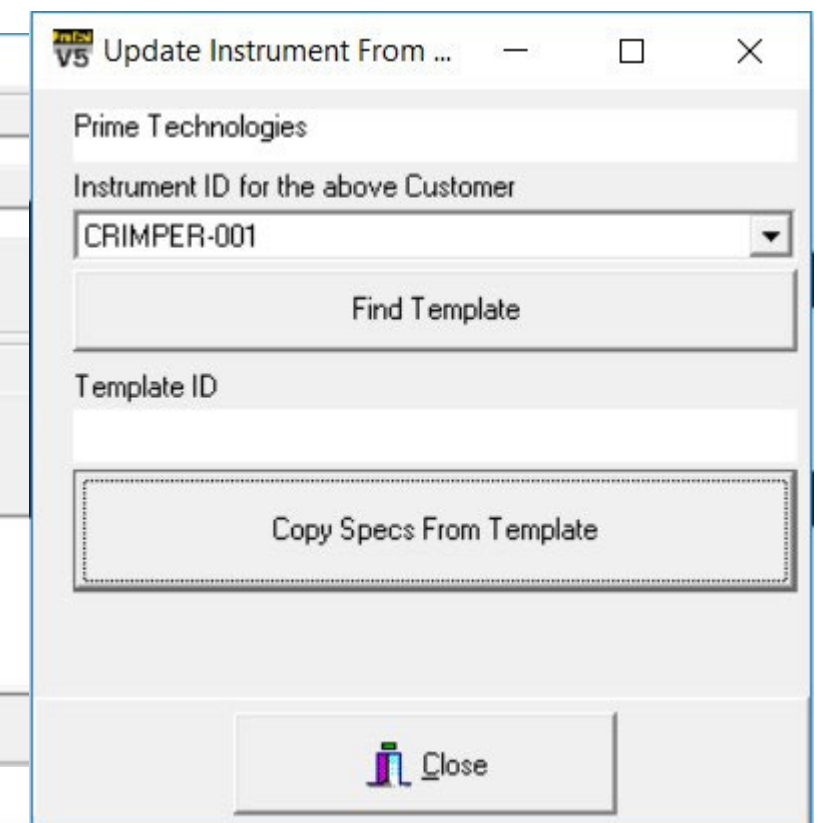
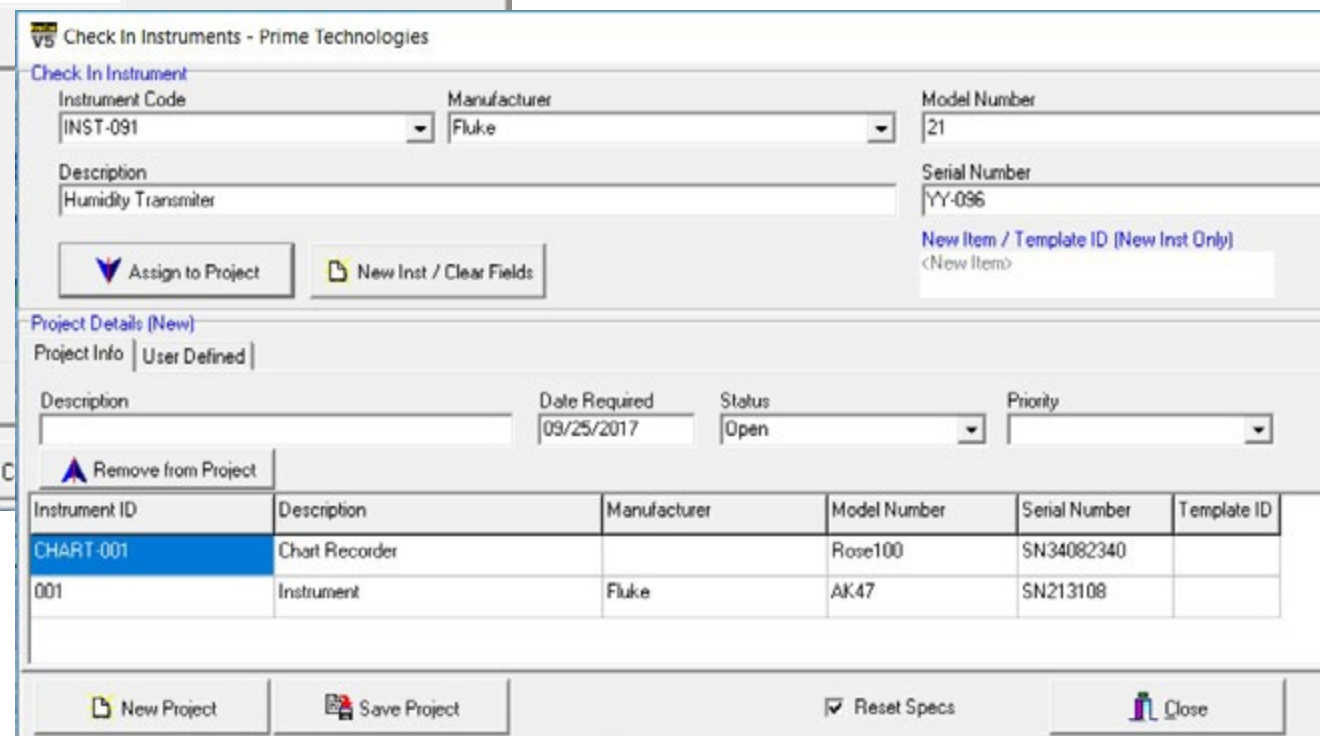
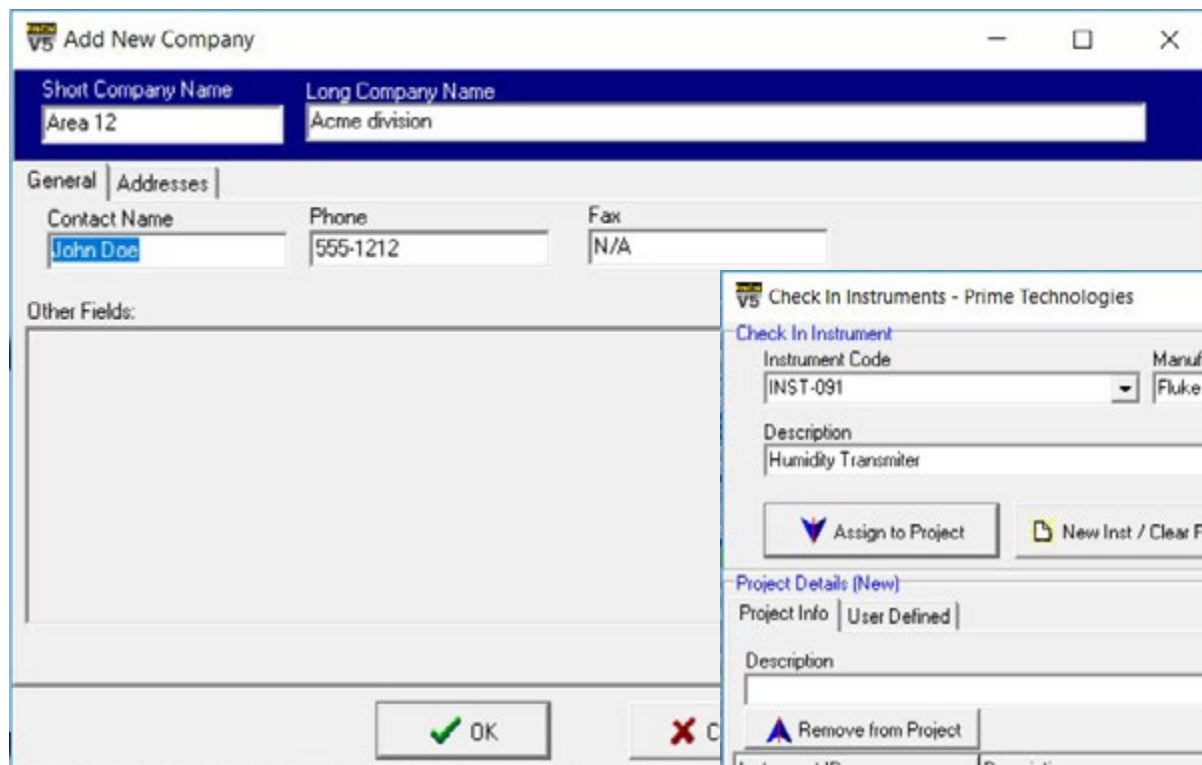
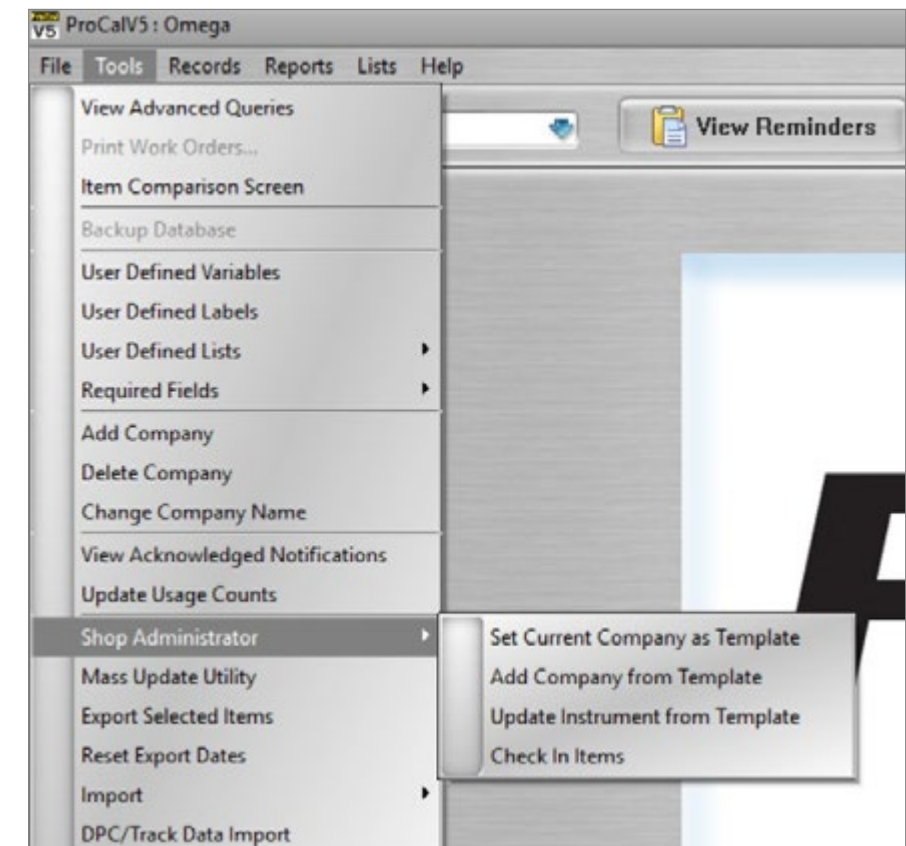


Template Companies

Set up template Companies and assets for easy future additions and increased standardization

Advantage

The ProCalV5 Shop Administrator utility is used to manage a multi-company system. The utility allows the system owner to set one ProCalV5 "Company" as a "Template Company" for future Company additions, providing an easy way to standardize configuration. The utility also allows for the creation of template Instruments that can be used for quick asset creation across multiple Companies.



Maintenance Management

Designed for planned maintenance and ADHOC requests to support overlapping schedules and batch scheduling.

Features

- » May be used to:
- » Establish alternate specifications
- » Change multiple calibration schedules for a single asset
- » Centralize all documentation and work
- » Customize verifications and quality review meetings
- » Modify many other reoccurring events that may not necessarily be pertaining to a single asset

The screenshot shows the 'Planned Maintenance' window. At the top, there's a toolbar and an 'Advanced Query Name' field. Below that, a form contains fields for 'PM ID' (318), 'Item Type' (Instrument), 'Tag ID' (HIS3T_PLT1-236), and 'Description' (Switch, AE3 Shelf Sample Switch). There's a 'Choose Item' button next to the Tag ID. Below these are 'Maintenance Type' (PMR) and 'Description' (Planned Maintenance Repair). A checkbox 'Use Default Calibration Specs' is checked. The bottom section has tabs for 'Maintenance', 'Calibration Specs', 'User Defined', and 'Notes'. Under 'Maintenance', there are fields for 'Responsible Employee' (Tim Mize), 'STD #' (STD-0010 01), 'Responsible Vendor' (Praxair internal Tested), and 'Worksheet Report Override' (PM Inventory). There are also date fields for 'Frequency' (1 Month), 'First Date' (31-Aug-2014), 'Last Date' (31 Aug 2016), and 'Next Date' (30 Sep 2016). A 'Keep On Schedule' checkbox is checked. On the right, there are fields for 'Entered By' (Administrator), 'Date Entered' (30-Aug-2016 12:49:53 PM), 'Modified By' (Administrator), and 'Last Modified' (30-Aug-2016 12:49:53 PM).

Assign unlimited additional events to assets

This screenshot shows the 'Test Point Group' configuration screen. It has the same top header as the previous screenshot. The 'Test Point Group 1 of 1' section includes 'Group Name' (Switch Calib. Standard) and 'Test Type' (Fluke Switch Test). Below this is the 'Test Setup' section with fields for '# of Set Points' (One), 'Input Type' (V), 'Resolution' (.01), and 'Trip Function' (Trip Continuity). There are also fields for 'Step Size' (0.00), 'Set Point +/-' (1.26), and a checked 'Has Reset Point' box. 'Deadband Min' is 0.00 and 'Deadband Max' is 100.00. The 'Test One' section has 'Direction' (High), 'Set Point' (120.00), 'Set State' (High), 'Set Point Range' (118.74 - 121.26 V), and 'Deadband Range' (20.00 - 120.00 V). On the left side, there are navigation buttons: 'Previous Group', 'Next Group', 'Add Group', 'Move Group Up', 'Move Group Down', and 'Delete Group'. At the bottom, it says '1 of 1' and 'Current Query: Dcfaul'.

| Work Orders

Enables users to assign types of tasks to create work orders.

Features

Allow users to assign tasks that create work orders. Tasks can consist of Planned Maintenance, Requested Maintenance and calibrations. Users have the ability to query to assign tasks by date or by responsibilities.

Schedule tasks

Work Order (Modified)

Work Order ID: 1, Work Order Number: TT-103, Description: Calibration Work Order

Due Through: 29-Sep-2016

Item Types: Planned Maint, Requested Maint, Calibrations

Type	Item Type	Item ID	Maintenance T...	Due Date	Responsible Te...	Status	Location
Requested Maintenance	Instrument	AE1_PLT1-176	PMR	19-Aug-2016	Robert Eford	Initial	Plant Analyzers
Calibration	Instrument	AE1_PLT1-176	Full Calibration	01-Aug-2016	Robert Eford	Initial	Plant Analyzers
Calibration	Instrument	AE5_PLT2-176	Full Calibration	05-Sep-2015		Active	VPSA BLDG
Calibration	Instrument	DV310_PLT2-176	Full Calibration	22-Oct-2011		Initial	Process Skid
Calibration	Instrument	DV350A_PLT2-176	Full Calibration	22-Oct-2011		Initial	Process Skid
Calibration	Instrument	DV350B_PLT2-176	Full Calibration	22-Oct-2011		Initial	Process Skid

Quick Add a Task, Selected, All, Selected, All

Assign Technician: To All Tasks, To Unassigned, Tim Mize, Reassign Selected, Reassign All

Type	Item Type	Item ID	Maintenance T...	Due Date	Responsible Te...	Status	Location
Requested Maintenance	Instrument	AE1_PLT1-176	CM	30-Aug-2016	Tim Mize	Open	
Calibration	Instrument	AY690_G02-176	Full Calibration	01-Jan-1999	Robert Eford	Initial	O2 Product Analyzer
Calibration	Instrument	AIT20_PLT3-176	Full Calibration	24-Jun-2013	Robert Eford	Initial	Analyzer
Calibration	Instrument	AIT20_PLT2-176	Full Calibration	22-Oct-2011	Robert Eford	Initial	Analyzer
Calibration	Instrument	AIHSL5_PLT3 176	Full Calibration	24 Jun 2013	Robert Eford	Initial	VPSA BLDG
Calibration	Instrument	AIHSL5_PI T2-176	Full Calibration	22-Oct-2011	Robert Eford	Initial	VPSA BLDG
Calibration	Instrument	AI690A_G02-176	Full Calibration	01-Jan-1999	Robert Eford	Initial	O2 Product
Calibration	Instrument	AI690_G02-176	Full Calibration	01-Jan-1999	Robert Eford	Initial	O2 Product

1 of 1, Current Query: Default

Manage workloads

Document Record

Create, manage and link your documents to other records within the system with review schedules.

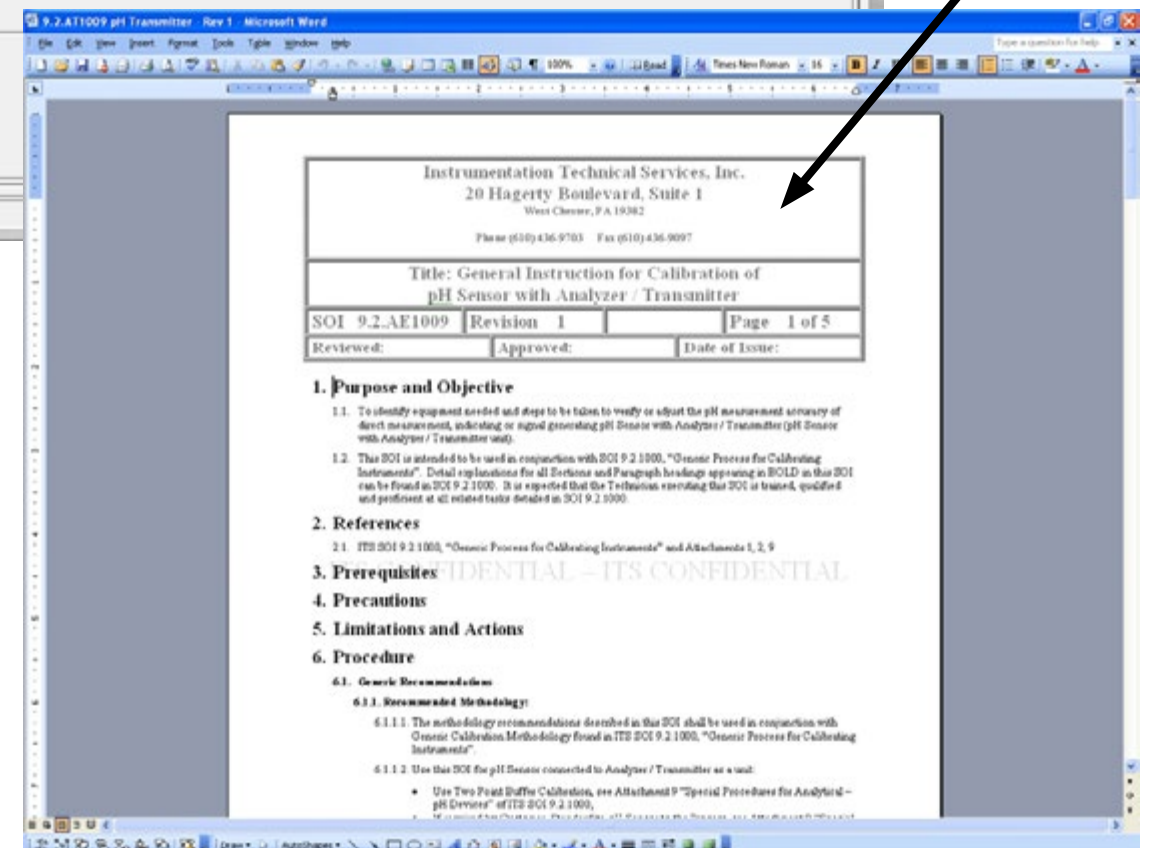
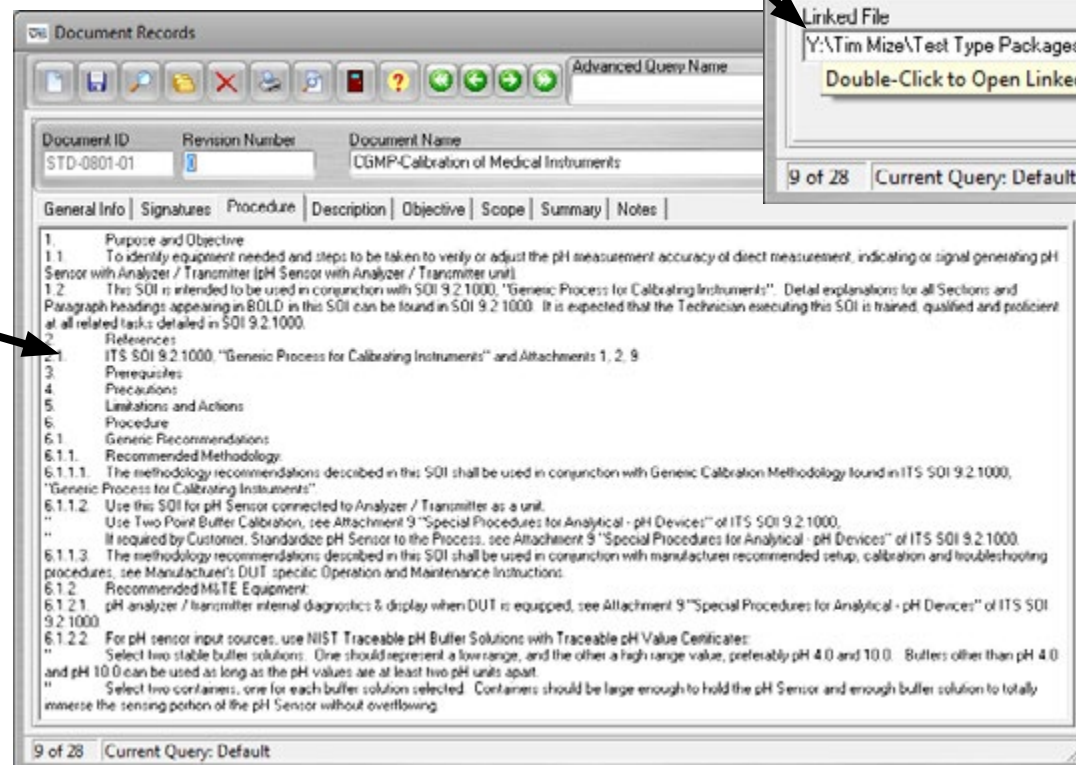
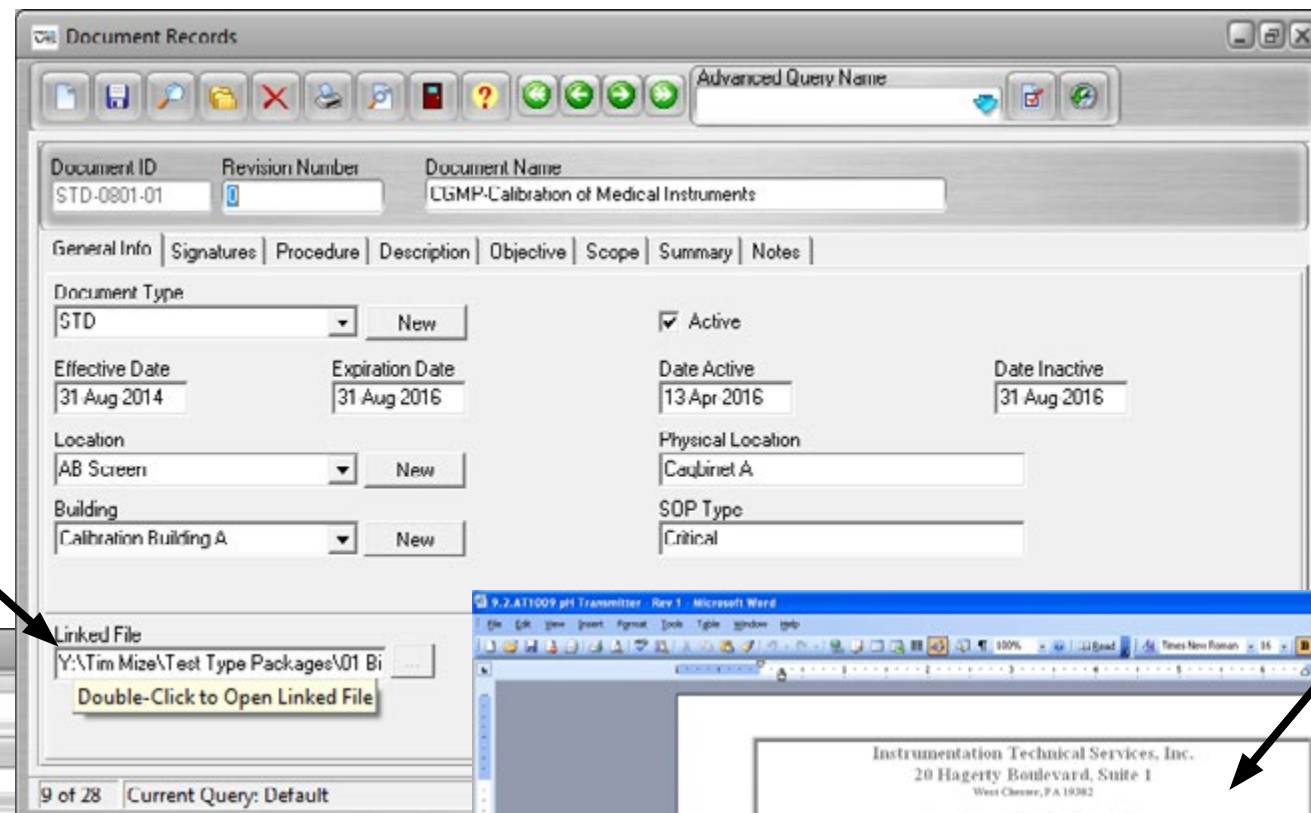
Features

- » Access documents via global or internal links
- » Assign document management to configure specific groups of people
- » Label according to desired terminology (SOPs, Training, ect.)

Link to Word, Excel, Text, PDF, HTML and more

Automatically launch files

Store Procedures



| Training Management

Allows users to log and track employees' training, as well as various courses and classes.

Features

Share the same database as your core ProCalV5 software. All user group and employee records already established in your production database are easily accessible for data reporting.

The screenshot displays the 'ProCal V5 Training Module : Production' window. The main form is titled 'Training Course Record (Saved)'. It includes a menu bar (File, Edit, Reports) and a toolbar with various icons. The form fields are as follows:

- Course Name:** ProCal Training
- Course Revision:** 1
- Date Entered:** 31-Dec-2007 9:29:39 AM
- Entered By:** Administrator
- General Information:** Covered By Course, Required To Attend, Training Classes, User Defined, Notes
- Course Information:**
 - Course ID:** 661
 - Training Type:** Lecture and Demonstration
 - Retake Frequency:** Annual
 - Active:**
 - Date Active:** 31-Dec-2007
 - Date Inactive:** 31-Dec-2008
 - Last Modified:** 31-Dec-2007 9:29:39 AM
 - Modified By:** Administrator
 - Description:** Includes individual classes that cover every aspect of the ProCal
 - Approved by:** Administrator
 - Approved on:** 31-Dec-2007 9:29:39 AM
- Qualified Instructors:**
 - Available Instructors (ID : Name):**
 - 1367 : Brian Poindexter853702
 - 1482 : DISUSER
 - 8 : Denise Skilling
 - 1026 : Denise Skilling-621
 - 1363 : Denise Skilling853702
 - 564 : Erin Mc
 - 545 : Erin McGrail
 - Instructors Qualified to Teach This Course:**
 - 7 : Adam Miller
 - 1 : Administrator
 - 642 : Calibration Guy
 - 4 : Chris Salembier

Precision Test Type Packages

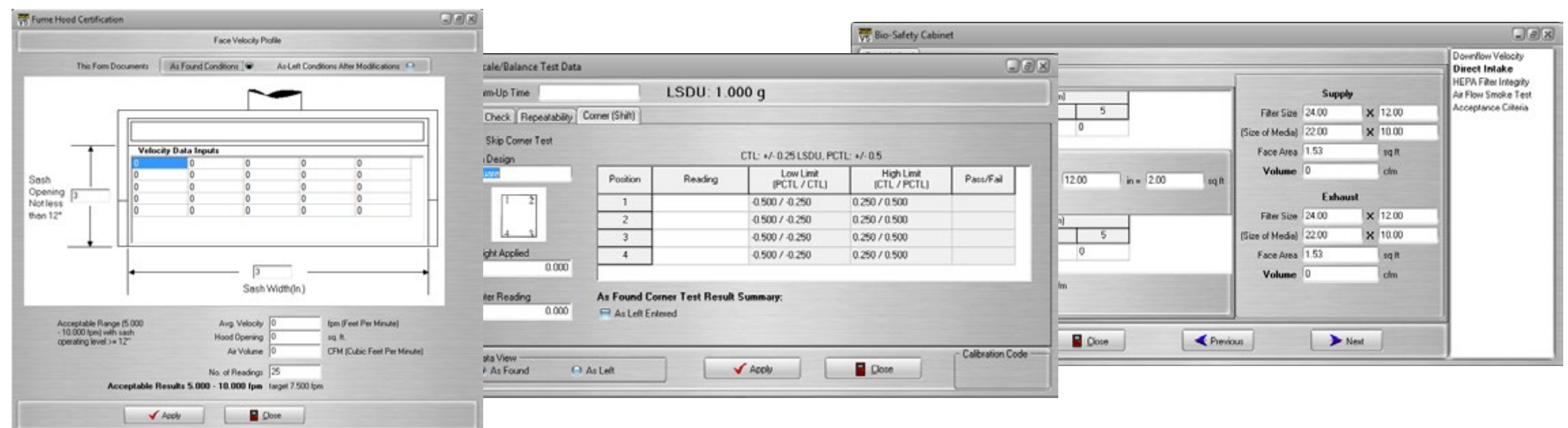
A detailed focus for devices, equipment and systems with special testing requirements.

Options

Many to choose from:

- » Standard Uncertainty Calculation
- » HPLC Pump Flow Rate
- » HPLC Pump Gradient Proportioning
- » HPLC Autosampler
- » HPLC Extreme Values Test
- » Test Omission
- » Manual Pass/Fail
- » PE 900 Series Interface
- » Wobble
- » Chemistry
- » Temperature
- » Timer Test
- » Stopwatch Timer Test
- » Reproducibility
- » Stopwatch Test
- » Tablet Press
- » Laminar HEPA Filter Test
- » Linearity Test
- » Extreme Values Test
- » Calibration Codes
- » Divisions Verification – Force Calibration
- » RTD Curve
- » Scales & Balances
- » Metric Weights Test
- » Chart Recorders
- » Air Sampler 1
- » Air Sampler 2
- » Air Sampler 3
- » Monitor Mark/Freeze Watches
- » Air Particle Counters
- » Pipette Calibration with Conversion
- » Pipette Calibration Z Factor
- » Pipette Calibration
- » Switch Test
- » Task List
- » Glove Box Certification
- » Fume Hood Certification
- » Template Group Load
- » SMA Sampler
- » Input Conversion
- » Multiple Readings
- » Bio Safety Cabinet
- » Bio Containment Cabinet
- » HEPA Filter Integrity
- » Gage R&R Study
- » Pressure Safety Valves

Visit our web site at primetechpa.com for the complete list with descriptions of each.

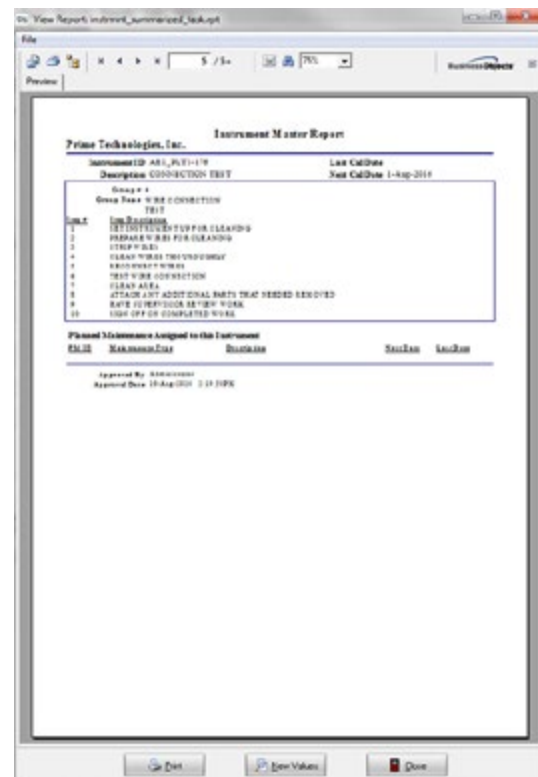


Task Lists

Standardize on unique calibration processes.

Features

Task lists can be added to calibration procedures, through the master instrument record, to allow users to outline required steps before, during, or after taking test point readings.



The 'Calibration (Add)' window shows the following details:

- Item Type: Instrument
- Instrument ID: AE1_PLT1-176
- Calibration ID: 0
- Calibrated: 19 Aug 2016
- Scheduled: 01 Aug 2016
- Cal Frequency: 1 Year

The 'Task List' window displays the following data:

Step #	Step Description	Result	Comment
1	SET INSTRUMENT UP FOR CLEANING	Completed	
2	PREPARE WIRES FOR CLEANING	Completed	
3	STRIP WIRES	Completed	
4	CLEAN WIRES THOROUGHLY	Completed	
5	RECONNECT WIRES	Completed	
6	TEST WIRE CONNECTION	Completed	
7	CLEAN AREA	Skipped	
8	ATTACH ANY ADDITIONAL PARTS THAT NEEDED REMOVED	Completed	
9	HAVE SUPERVISOR REVIEW WORK	Failed	
10	SIGN OFF ON COMPLETED WORK	Completed	CLEANED AFTERWARDS

Parts & Inventory

Track usage and spare parts used for calibration.

Features

Parts and Substitution Parts can be tracked and compiled in a bill of materials to itemize cost for job budgets. It also can help centralize all data to the calibration certificate by logging the parts used to determine the total calibration cost over time.

The image displays four overlapping screenshots of the ProCal V5 software interface:

- Inventory Control:** A window showing a table of inventory items across different locations.

ID	Part Location	Part Number	Part Description	Quantity
5	Tool Room 2	10W40	Oil for Lubrication	20
1	Tool Room 1	Filter C	Carbon Filter 810x10	30
2	Tool Room 1	Filter B	Carbon Filter 8.5x11	17
6	Tool Room 2	10W30	Oil for Lubrication	7
4	Tool Room 2	5W30	Oil for Lubrication	5
3	Tool Room 1	Filter A	Carbon Filter 8x11	13
8	Tool Room 1	5W30	Oil for Lubrication	12
7	Tool Room 2	Filter C	Carbon Filter 810x10	-1
- Bill of Material:** A window showing a BOM for a specific job.

Part ID	Part Number	Part Description	Quantity
4	5W30	Oil for Lubrication	1.00
1	Filter A	Carbon Filter 8x11	1.00
- Parts:** A window showing detailed information for a specific part.

Part ID	Part Number	Part Description	On Hand Quantity
4	5W30	Oil for Lubrication	17.00
- Part Requisitions:** A window showing a list of requisition lines.

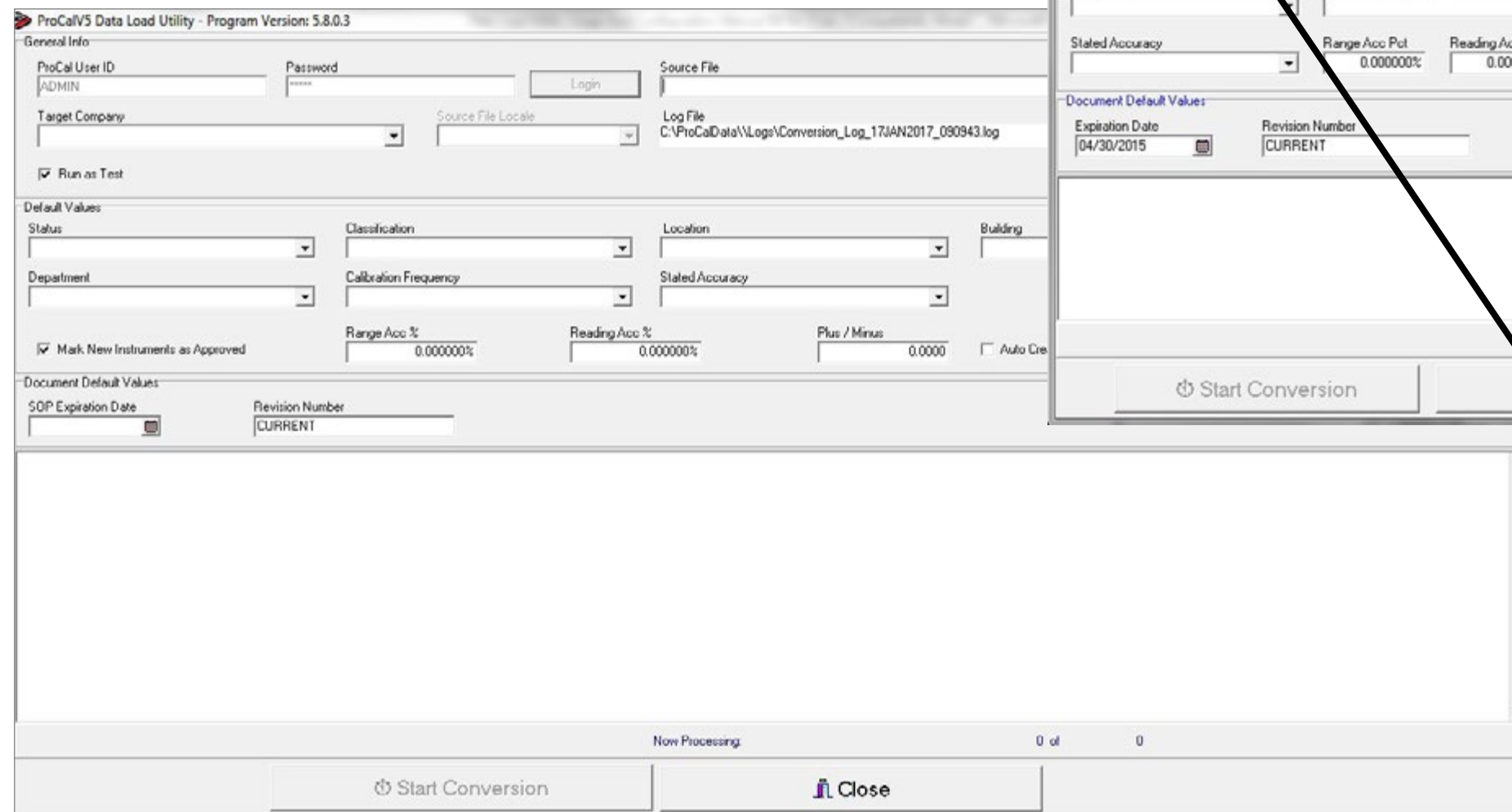
Line #	Line Description	Part ID	Part Number	Order Quantity	Unit of Measure	Vendor Name	Vendor Part #	Vendor Unit	Vendor Ord Qty	Quantity Received	Unit of Measure	Date Received	Total Cost	Part Location	
2	Carbon Filter 810x10	3	Filter C	30.00	Each	Transcat		144.00	Case	0.21	30.00	Each	11/25/2013	\$270.00	Tool Room 1
3	Carbon Filter 8x11	1	Filter A	30.00	Each	Transcat		144.00	Case	0.21	30.00	Each	11/25/2013	\$270.00	Tool Room 1
4	Carbon Filter 8.5x11	2	Filter B	30.00	Each	Honeywell		12.00	Box	2.50	30.00	Each	11/25/2013	\$270.00	Tool Room 1

Data Load Utility

Create instrument, equipment, loop, system and test instrument records from a predefined Microsoft Excel® file

Features

Create in Excel all record types including test instruments for auto upload of data for master record creation. It also supports creation of records with multiple test point groups and allows a test run to check for errors.



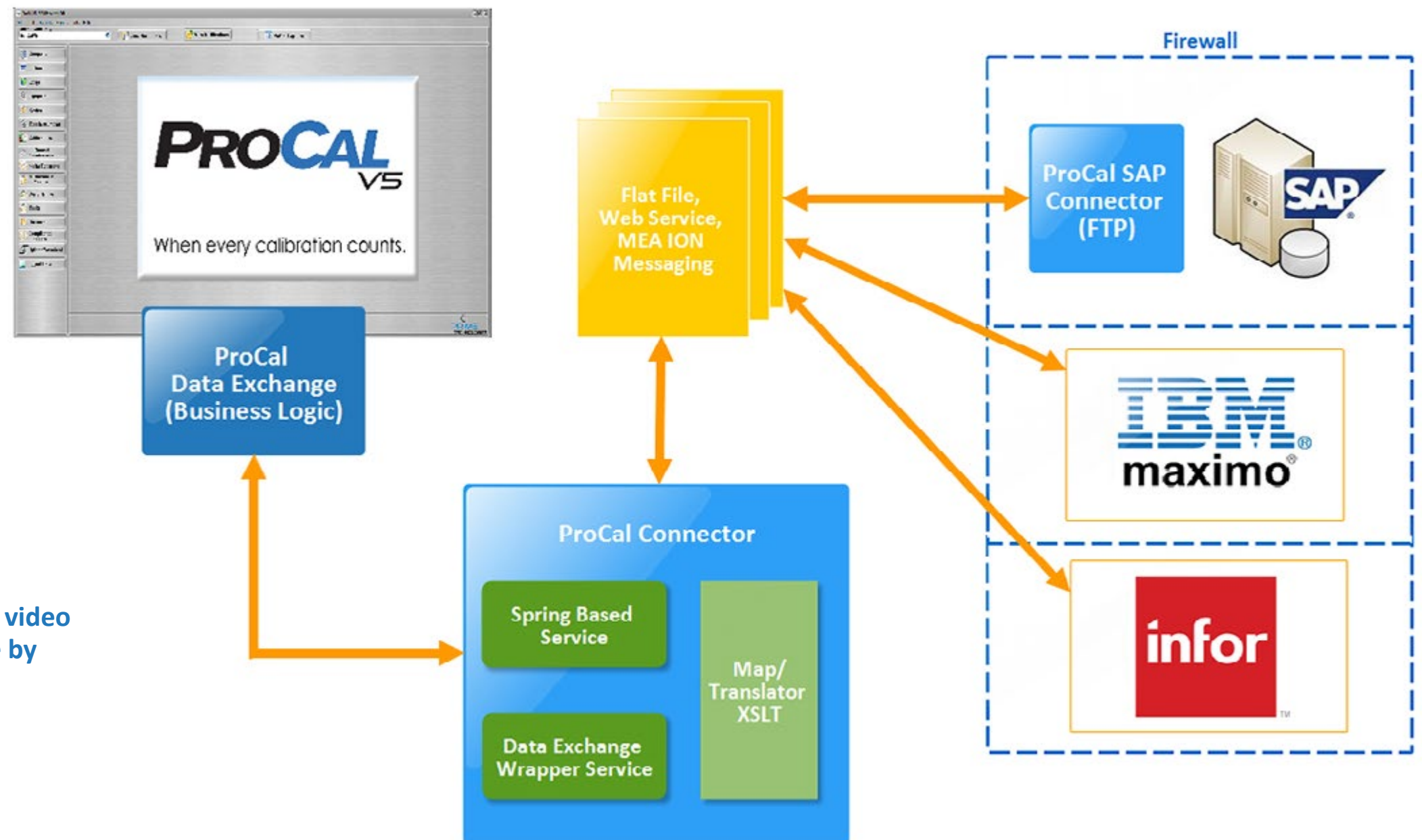
You Are Able To Choose Which Company The Data Loads Into

Software Integration

Integrate ProCalV5 with other popular maintenance management and ERP solutions, such as SAP or Maximo

No More Duplication of Data Entry

Data Exchange combined with the ProCal Connector are powerful software components that, working together, enable ProCalV5 data sharing with other applications. Workflow can be designed unique to your specific requirements.

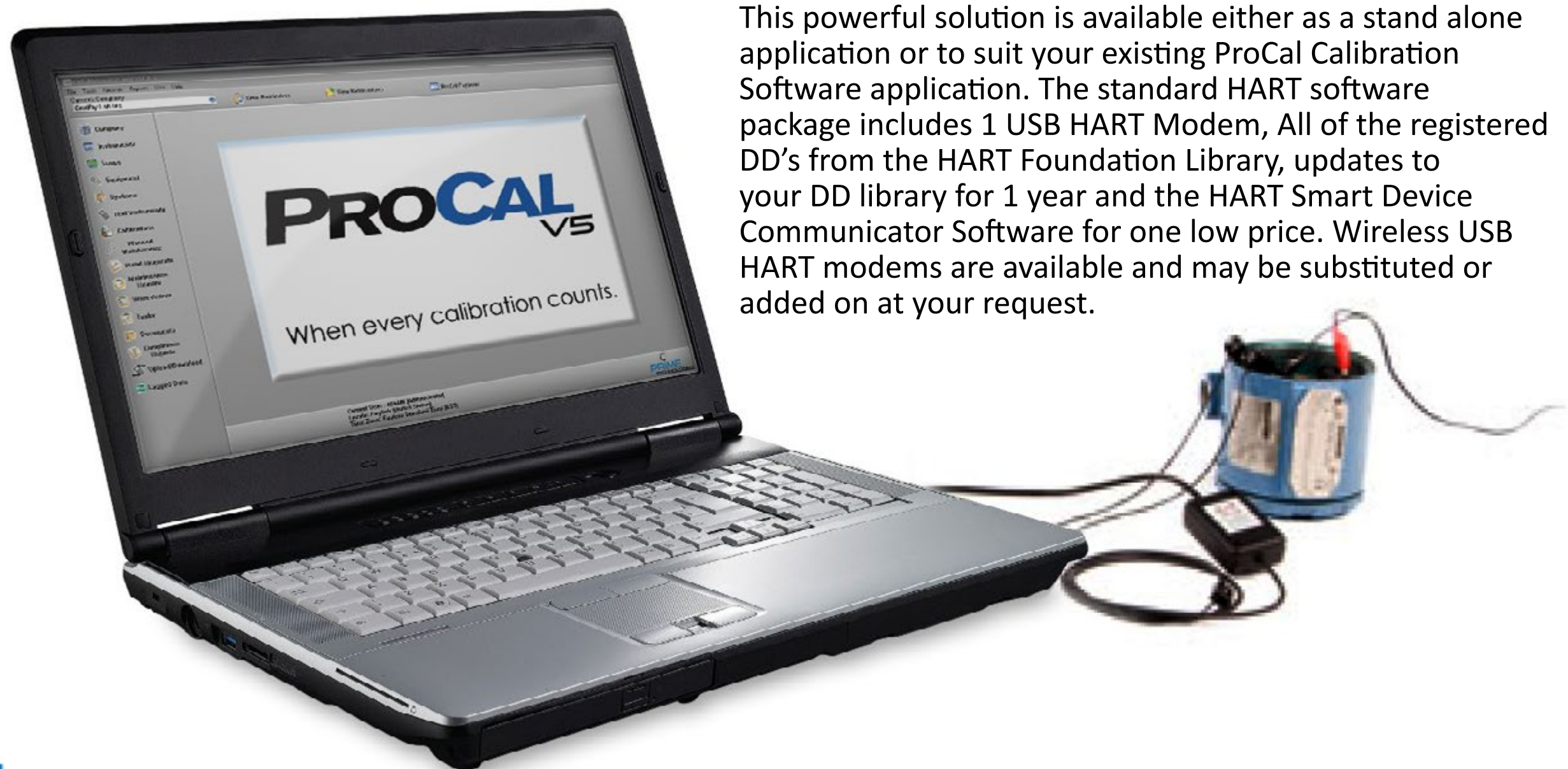


View our online video explaining more by [clicking here.](#)

| HART Communication

HART device communication and configuration software is an economical alternative to the high priced hand held communicators that are available today.

Easier HART configurations in just minutes!



This powerful solution is available either as a stand alone application or to suit your existing ProCal Calibration Software application. The standard HART software package includes 1 USB HART Modem, All of the registered DD's from the HART Foundation Library, updates to your DD library for 1 year and the HART Smart Device Communicator Software for one low price. Wireless USB HART modems are available and may be substituted or added on at your request.

| ProCal Direct

Cloud-based solutions deliver all the power and performance of ProCalV5.

Leave the management of software deployment, database maintenance, server validation and IT infrastructure to us. With ProCal Direct you can instantly access your professionally hosted calibration & maintenance management program via a simple monthly subscription service. This validated Cloud-based, web accessible solution is scalable for single facility or multi-site, enterprise requirements. This solution is hosted in a SOC 2 Type II and SOC 3 audited environment ensuring complete data security.

Precision Asset Management

Multi-account configurable to meet each location's specific quality assurance needs and work flow practices.

Mission-Critical Application Protection for an Always On Experience

Hosting services provided offer high availability and comprehensive disaster recovery.

Powerful Reporting and Analytics

Comes with over 80 standard reports. With Crystal Reports, these can be user modified and new reports can be added.

Fully-Compliant to meet 21CFR/ Part 11 Requirements

First in the industry with 21 CFR Part 11 compliant calibration software, ProCal Direct follows ProCalV5 as an industry proven solution.

Time-Saving Paperless Calibration

Off-line, 21 CFR Part 11 compliant, paperless, Mobile Workstations are proven to eliminate human errors and significantly reduce costs of operations.



| Prime Technologies Inc. Support Services

World-class, ProCalV5 solutions are backed by a comprehensive range of professional support services.

Project Management

We can provide managers and any level of support staff to make certain that your deployment is delivered on time and with the most cost effective strategies. In addition, our vast library of planning, testing and reporting documents are designed to meet the highest standards for FDA, ISO and other regulatory compliance requirements.

Software Validation

We are software compliance experts. All versions of ProCalV5 software are internally tested and validated before release. IQ/OQ/PQ protocols can be provided. GAMP 5 level validation project plans, all necessary documents and any needed services are available to ensure compliant use at your locations. Typical deployments usually takes less than eight weeks.

Product Training

At your location or ours, ProCalV5 experts are available for both administrator and user training. Typical Work Shops include professional guidance for system work flow configuration, end-user assignments and master asset record creation.

Data Migration

Our software engineers have extensive experience, powerful software tools and proven test methods that guarantee successful results.

Data Entry

More than a mere software company, we are calibration experts. If needed, our experienced technicians can assist for plant surveys & master record creation.

Quality Compliance Review / GAP Analysis

Experienced Prime Technologies compliance management professionals can assist to assess your calibration management practices and make recommendations for improvements.

Custom Reports/Programing

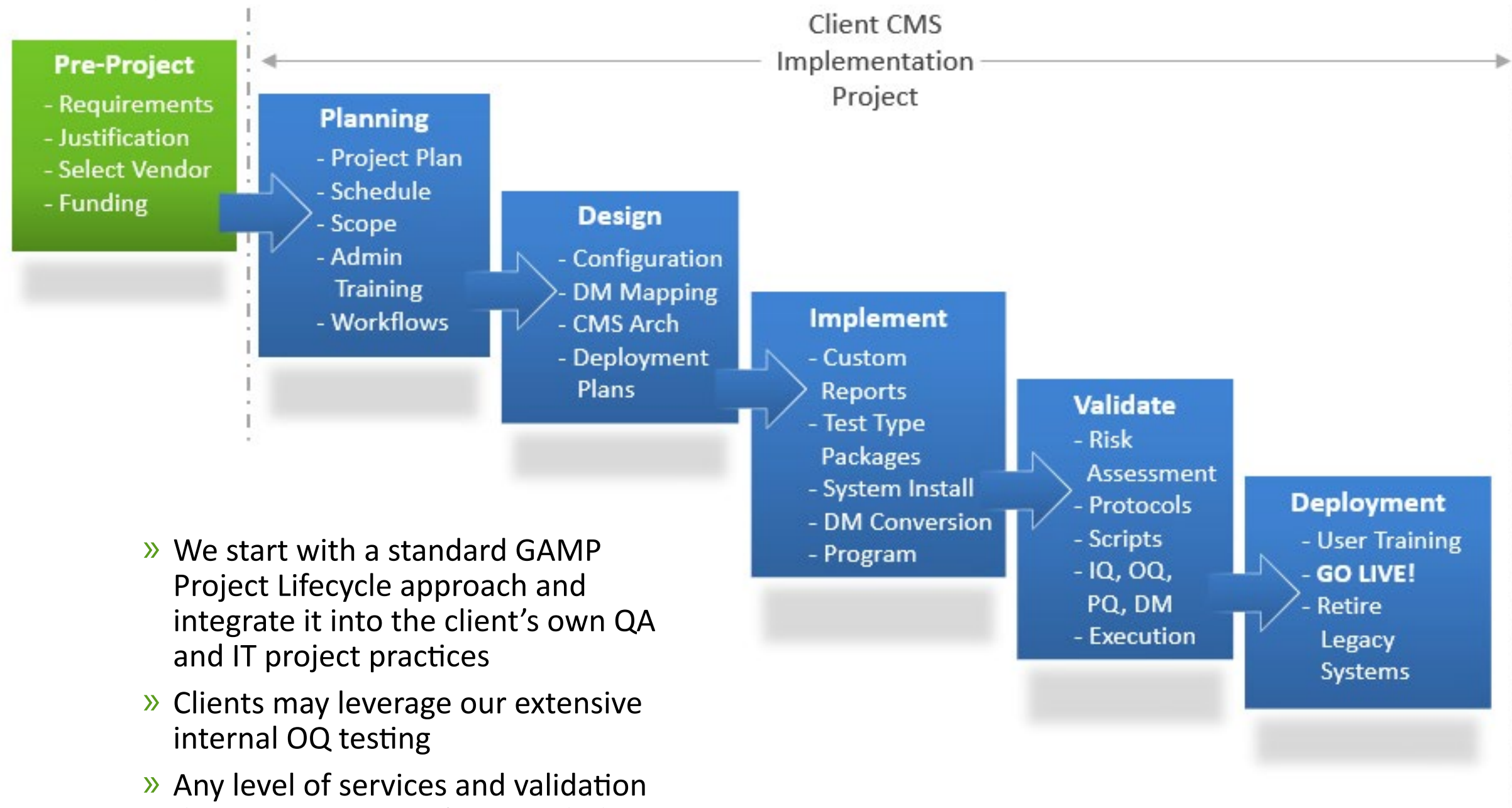
ProCalV5 comes with over 80 standard reports and five Precision Test Packages. We can modify these and add new ones to match your specific desired requirements.



Prime Technologies Inc. Implementation Services

Fast & Economical GAMP 5 Level Deployment

A Typical Project Plan



- » We start with a standard GAMP Project Lifecycle approach and integrate it into the client's own QA and IT project practices
- » Clients may leverage our extensive internal OQ testing
- » Any level of services and validation documentation can be provided

Part 8

A Summary Of Benefits

"This is a great soft ware that makes my job much easier. I look forward to audits now!"

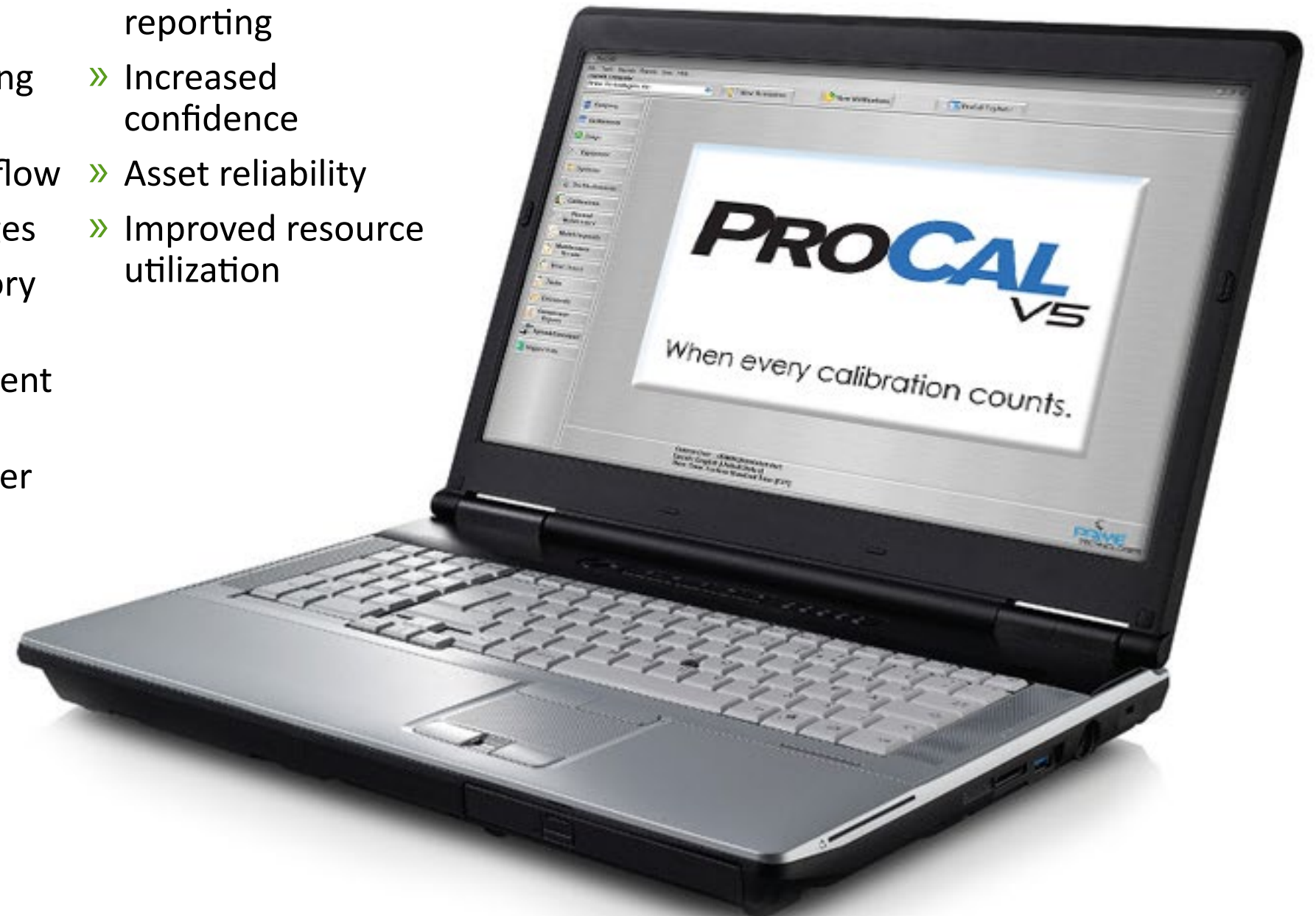
Steve McKay
Calibration,
Weyerhaeuser CCF



ProCalV5 Software Benefits

Too many to mention!

- » Fast and economical deployment
- » Organized asset management
- » Better quality control
- » Standardized practices
- » Fast ROI
- » Improved productivity
- » No human errors
- » Supportive services
- » Customized reports
- » Reliable scheduling
- » Off-line mobile technology
- » Easy audits
- » Historical trending
- » Works with documenting calibrators
- » Reduced operating costs
- » Structured workflow
- » Multiple languages
- » Ensured regulatory compliance
- » Better management oversight
- » Integrates to other applications
- » Pre-validated/21 CFR Part 11 compliant
- » Total paperless practices
- » OEM support
- » Centralized reporting
- » Increased confidence
- » Asset reliability
- » Improved resource utilization



Thanks For Viewing

Thanks for taking the time to view our presentation. To contact us with further questions or inquiries, please use the resources below.

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