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Introduction

This document provides information about the ARCHIBUS V.24.1 Multilingual (ML) release.

This release is an update to the major release V.24.1, and this document is intended to be a follow-up to the “What’s New” document for the major release V.24.1 distributed earlier.

In addition to the features described, this release has been fully internationalized and tested so that it can be adapted to non-English languages and regions without software changes. Full support has been added for Dutch, French, German, Italian, Spanish, and Simplified Chinese.

Features and Benefits in this Release

The following sections describe the new features and benefits available with the ARCHIBUS V.24.1 ML release.

GDPR Compliance

Background

The General Data Protection Regulation (GDPR) is a European regulation that provides a consistent set of rules for preserving the data privacy of all European Union (EU) citizens, employees, and customers. As of 25th May, 2018 all organizations that process or control personal information on EU citizens must follow these regulations. The regulation applies to organizations that have branch offices in the EU or that sell to persons residing in the EU.

GDPR Support

ARCHIBUS software includes functionality that ensures compliance with GDPR. This includes:

- Users can access the GDPR Personal Information view from the Process Navigator, using the **System Administration / ARCHIBUS System Administration / ARCHIBUS Administrator - User and Security / GDPR - Search Personal Information** task. From here, you can view, update, export, and delete personnel information in accordance with GDPR regulations.

GDPR Personal Information

Search

Name Email

Employees

Employee Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 23 Next >>

Employee Code Email Address

ABERNAT, JOAN	
ABBERS, JOANN	ABBERS_JOANN@tgd.com
ABBOT, PAUL	abbot@tgd.com
ABER, GINGER	aber_ginger@tgd.com
ABERNATHY, ALISON	abernathy@tgd.com
ABIOLA, KHAFILAT	khafilat_abiola@tgd.com
ABRIOLA, MARTIN	ABRIOLA_MARTIN@tgd.com
ABROJMA	ABROJMA@tgd.com
ABROL, SHARON	abrol@tgd.com
ABROLIER, CAROLE	ABROLIER_CAROLE@tgd.com
ABUHAZALEH, SHADI	shadi.abuhaszaleh@tgd.com
ACEV, SARAH	ACEV_SARAH@tgd.com
ACEVEDO, DAVID	ACEVEDO_DAVID@tgd.com
ACEVEDO, BRETT	acevedo@tgd.com
ACEVY, MEGHAN	ACEVY_MEGHAN@tgd.com
ACHARETTE, CASEY	ACHARETTE_CASEY@tgd.com

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Users

User Name: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 2 Next >>

User Name Email Address

ABERNATHY	abernathy@
ADAMS	adams@tgd
ADMIN	admin@tgd
AE	ae@tgd.com
AEM	aem@tgd.cc
AEMIT	aemit@tgd.c
AFM	afm@tgd.co
AFMDEMO	afmdemo@t
AFMDEMO1	afmdemo1@
AFMDEMO2	afmdemo2@
AFMDEMO3	afmdemo3@
AFMDEMO4	afmdemo4@
AFMDEMO5	afmdemo5@
AFMDEMOBIM	afmdemobir
AFMDEMODE	afmdemode
AFMDEMOES	afmdemoes

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Craftspersons

Craftsperson Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 5 Next >>

Craftsperson Code Craftsperson's Email

ABBY SHARPS	
AFM	afm@tgd.com
AFMSTART	afmstart@tgd.com
AISTART	aistart@tgd.com
ANDREW NATTS	natts@tgd.com
ANNA PETERS	
BIANCA MARCS	
CARLO	carlo_alfred@tgd.com
CHRISTIAN RIDDER	
COLIN LEONARD	cleonard@tgd.com
CRAFTSPERSON	craftsperson@tgd.com
DAVID VARRISON	
DDD ELECTRICAL	
DERICK LYONS	LYONS_DERICK@tgd.com
DWAYNE MORTON	dmorton@tgd.com
EPG CONTRACTING	
FINERS PLUMBING	finers@tgd.com

Contacts

Contact Code: B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 5 Next >>

Contact Code Email Address

BEATTY, RED	red@acme.com
BECKER, WILLIAM	wbecker@us.com
BERNHART, JACQUES	
BERNHART, MICHAEL	
BISHOP, JULIUS	jbish@catz.com
BISHOP, LISA	
BISHOP, SAMANTHA	bishop@cfs.com
BRIAN WILLIAMSON	
BYRON, AL	abyron@central.com
CAREY, RANDALL	rcarey@pw.com
CASTELLANA, PALOMA	
CHENG, GEORGE	
COX, MIKE	mcox@coxsafty.com
DEERFIELD, JIM	
DEERFIELD, MICHAEL	mdeerfield
DIXON, JEFF	nipc.watch@fbi.gov
DRAKE, ANDREW	

Visitors

Autonumbered ID: 3 114 115 116 117 118 119 All

Name - First Name - Last Visitor Email Address

Carl	Expediter	courier1@ecs.com
TONY	CANDY	
Jules	Simmons	jules_simmons@cbcdconsulting.com
Trudy	Grant	trudy_grant@facone.com
Alison	Chang	alison_chang@gmail.com
Sandra	Tomori	sandra_tomori@gaconsulting.com

Hazmat Professionals

Person Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All

Person Code Employee Name Contact Code

A-DRAKE		DRAKE, ANDREW
ABBOT, PAUL	ABBOT, PAUL	

Others

Name: B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 5 Next >>

Name Email Phone Database Table Name

Merry Donathew			ehs_incidents
JOHN PETERSON			ehs_incident_witness
D1 DESIGN	DiedraDawson@d1.com	(617) 227-2508	
GENE MACK	mack@tgd.com	(617) 266-7900	projteam
ABBY SHARPS	sharps@tgd.com	(617) 266-7855	projteam
JARED GREEN	green@tgd.com	(617) 266-7861	projteam
SMITH, PAUL	smith@tgd.com	338-1011	projteam
ADAMS, JAMES		617-227-2508	projteam
ELLIUS, TERRY	terry_ellius@myorg.org	338-1011	projteam
FRANK ALLBURG	allburg@tgd.com	(617) 266-7860	projteam

- The “Anonymize All” button is found in the forms that display information about the same person with different roles in the company such as employee, user, and craftsperson.

GDPR Personal Information

Search

Name Email

Employees

Employee Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 1

Employee Code Email Address

AFM	afm@tgd.com
-----	-------------

Users

User Name: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 1

User Name Email Address

AFM	afm@tgd.com
-----	-------------

Craftspersons

Craftsperson Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All Page 1 of 1

Craftsperson Code Craftsperson's Email

AFM	afm@tgd.com
-----	-------------

Contacts

No records to display.

Use the button **Anonymize All** to anonymize the employee, user and craftsperson records at once.

Anonymize All

Employee

Employee Code* AFM Email Address afm@tgd.com

Employee Number Mail Stop

Honorific Mr Phone - Work 227-2508

Employee Title Director of Engineering Home Phone

Employee Name AFM Phone - Mobile

Name - First Calling Card Number

Name - Last Pager Number

Employee Photo afm.jpg

Emergency Contact Fax Number

Emergency Relationship RF Reader or Tag ID

Emergency Contact Phone Current Site Code

At Contingency Facility? No Current Building Code

Contingency Bldg. Code Current Floor Code

Contingency Floor Code Current Room Code

Contingency Room Code Building Code

Contingency E-mail Floor Code 17

Contingency Phone Room Code 115

Contingency Fax GIS Object ID

Chargeable Cost 0.00 Latitude

Employee Status Longitude

GDPR Terminated Date GDPR Removal Date

User

User Name* AFM

- The GDPR Personal Information forms display fields for date of termination/end/expiry, making these fields available for view or edit.

The screenshot shows the 'GDPR Personal Information' form in the ARCHIBUS system. The form is for an employee named ABBOT, PAUL. It includes fields for Employee Code, Employee Number, Honorific, Employee Name, Employee Photo, Emergency Contact, and various contingency codes. Two fields are highlighted with blue boxes: 'GDPR Terminated Date 8/30/2019' and 'GDPR Removal Date 8/30/2019'. The form also includes a 'Visitors' section and a 'Database Table Name' dropdown.

- You can control the retention periods for data using the GDPR application parameters, which are found under the AbInformationSecurityAndPrivacy application. There are two sets of application parameters per each data category. One set of parameters determines the minimal retention period in which the data subject cannot be anonymized on demand, nor by the scheduled workflow rule. The second set of application parameters is used by the scheduled workflow rule to evaluate which records can have personal data removed.
- The size for search fields enables longer names and/or email addresses to be searched.
- The workflow rule for on demand anonymization anonymizes references that are not validated in the database.

Process Navigator:

System Administration / ARCHIBUS System Administration / ARCHIBUS Administrator - User and Security / GDPR - Search Personal Information (ab-gdpr-search-data-subject.axvw)

Help Topic in ARCHIBUS System Management Help:

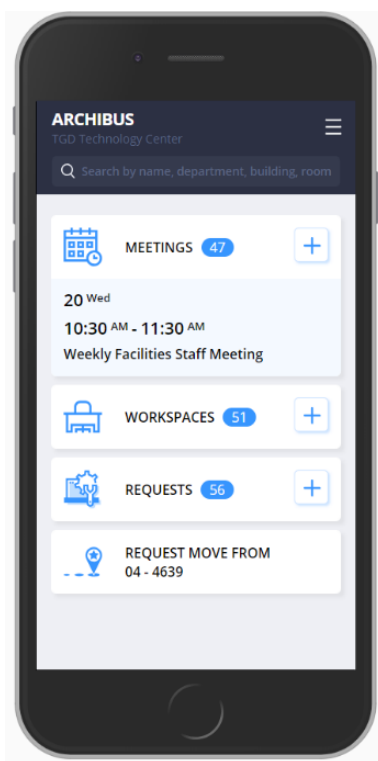
[ARCHIBUS Administrator / Supporting GDPR / Overview](#)

Productivity Enhancements to ARCHIBUS Workplace

To enhance the user experience and improve end-user productivity, ARCHIBUS has improved the ARCHIBUS Workplace interface with subtle yet important changes. The following describes these enhancements.

Phone Dashboard to Access Personal ARCHIBUS Workplace

The phone dashboard enables mobile users to get a quick preview of meeting, workspace, and service requests in a responsive view right on their smartphone.



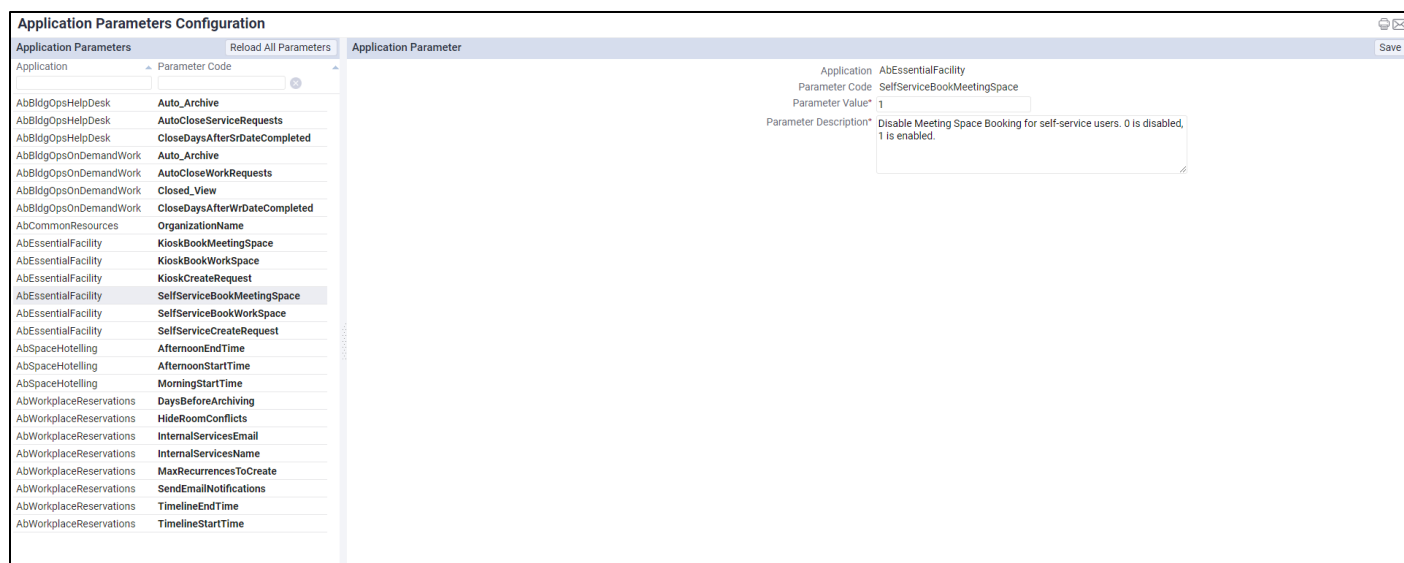
Selective Enablement of Workplace Functions to Support your Policies

To accommodate organization-specific policies, you can now choose to individually enable or disable certain workplace functions.

The following Workplace functions can be enabled or disabled when the Workplace is configured for kiosk mode and for self-service user mode.

- Book a Working Space
- Book a Meeting Space
- Create a Request

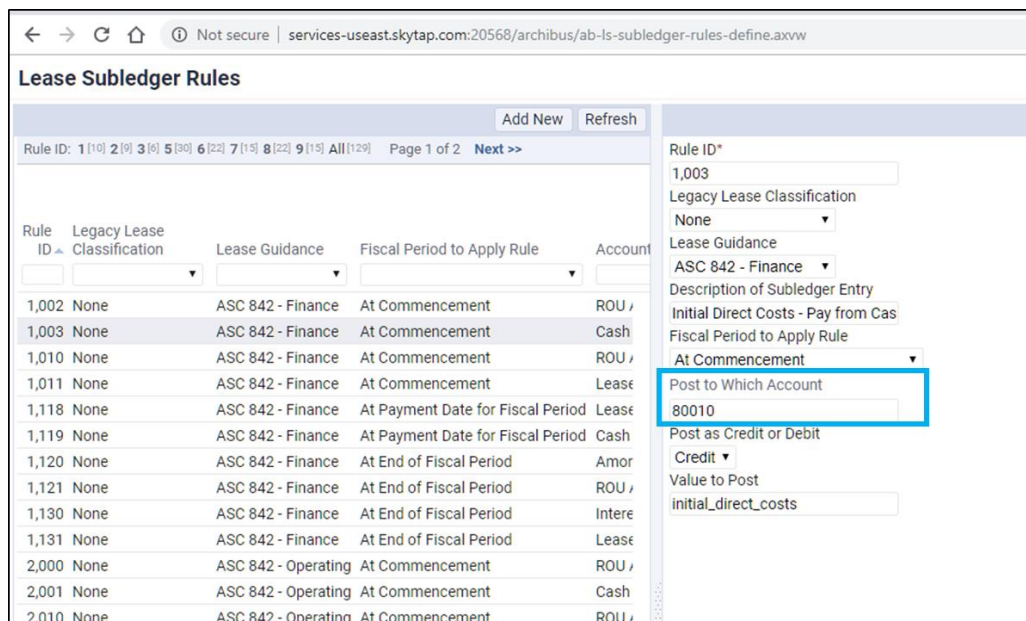
The image below shows the **ARCHIBUS System Administration / ARCHIBUS Administrator - Application Configuration / Configure Application Parameters** view from which these functions can be enabled and disabled.



Updates to the Extension for Lease Accounting

This release includes a number of updates to the ARCHIBUS Extension for Lease Accounting, as follows:

- When defining or editing lease sub-ledger rules, you can now change the account code for the selected rule. The field is shown in the screenshot below.



- Lease accounting amortization and ledger calculations have been updated so all amounts sum ("foot" in accounting terms) correctly scaling to two decimals.

This change allows for accurately calculating the following:

- The straight-line lease expense amount.
 - The periodic amortization values.
 - The interest cost and depreciation values.
 - All beginning and ending balances for Lease Liability and Right of Use Asset.
- It is now possible to have multiple Cost Categories for individual FASB application parameters. This is because some organizations want specific asset classes (e.g. equipment) to include some gross costs (e.g. maintenance, taxes) in the amortization schedule and ROU and ILL calculations. Having the extensible cost categories allows them to do so, and still keep their Cost Categories granular enough to track costs in appropriate categories and account numbers.
 - In the Lease Portfolio Console, when adding a new lease, you can now select the equipment code for a new equipment lease.
 - In the Lease Classification Wizard, the field for **ratio of remaining lease term to economic life** now shows more meaningful information. If the lease term is greater than remaining life of the building, this field is set to N/A (Not Applicable).
 - An issue with NPV calculation accuracy has been fixed by increasing the number of decimal places stored to fifteen when dividing Incremental Borrowing Rate (IBR) by Number of Periods.
 - An issue with re-measurement of operating leases has been fixed. ROU entries are now calculated accurately when an approved operating lease has its lease terms modified, such as by adding base rent costs and extending the lease for an additional year.

Editable Grid for Power Users

View designers can include the editable grid in views that they create. Non-technical power users, such as administrators, can then enter or edit large data sets quickly and without using popups.

Features and Benefits of the Editable Grid

Feature	Benefit to User
Batch editing	A project manager works on a budget for a space renovation project. He has to enter cost estimates for many project budget items. Opening a popup to edit each budget item wastes time and annoys the manager.
Enumerated field selector	Select available values for enumerated fields using a drop-down list.
Validated field selector	Select available values for fields that validate on other tables using a drop-down list.
Read-only columns	View designers can mark some columns as read-only.

Event listeners	View designers can define event listeners that the grid will call before or after the save.
Clone record	The manager also has to create additional budget items for similar tasks. He wants to enter the values once, and then use the budget item as a template for other budget items, to speed up data entry.
Export to XLS	The manager wants to export the tasks to an XLS file and share it with others.
Copy and paste	Often, the manager wants to copy a value from one budget item to several other budget items.

The screenshot below show an example of the **Room Area** field edited in a record right from a Web Central view that uses the editable grid

The screenshot displays the 'Editable Grid Example' interface. At the top, there's a header bar with 'Rooms' and a 'Save All' button. Below this is a navigation bar with various filters and a 'Page 1 of 84' indicator. The main area is a table with columns: Building Code, Floor Code, Room Code, Room Area ft², and Room Use. The table lists various rooms, with the 'Room Area ft²' column highlighted in blue. A dialog box titled 'Edit Room Area' is open, showing the current room's details: Building Code: AB, Floor Code: 01, Room Code: 106, and Room Area ft²: 278.40. The dialog has 'OK' and 'Cancel' buttons.

Help Topic in ARCHIBUS System Management Help:

[Add-in Manager / User Interface Extensions / Grid Skills / Grid Control 3.0 / Editable Grid](#)

Sample view:

<http://localhost:8080/archibus/schema/ab-ex-advanced-grid-categories.axvw>

HTML5 Gantt Control

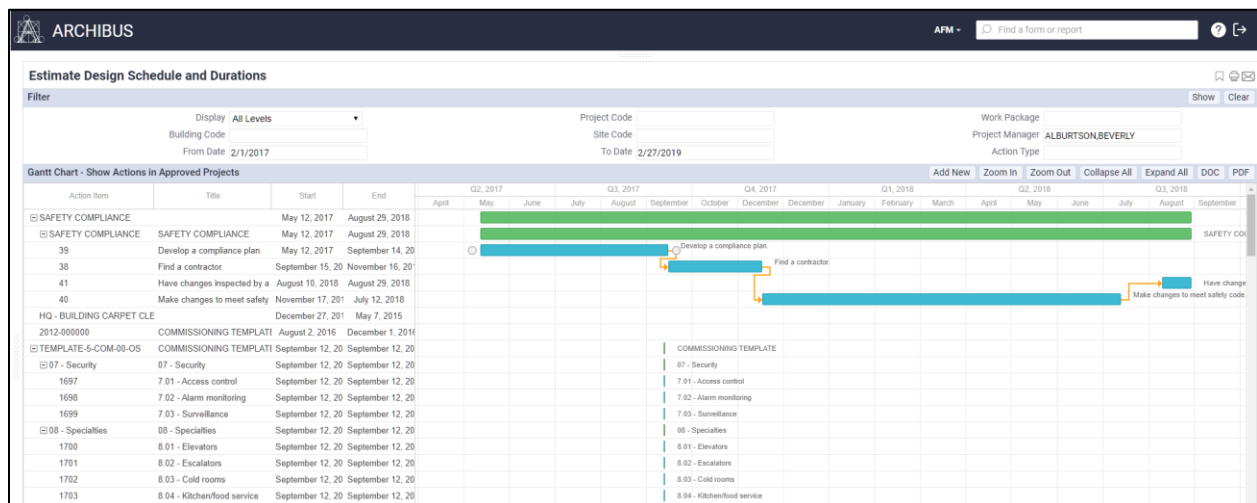
With the goal of providing both our customers and ARCHIBUS the benefits of newer technology, ARCHIBUS has converted the Gantt Chart Flash control to HTML5. By adopting HTML5, ARCHIBUS eliminates use of Adobe Flash.

HTML5 is capable of rendering multimedia content without installing a plugin or a player application. It can run on any computer as well as on mobile devices such as iPhones, Android devices, iPad, tablets and smartphones, some of which cannot run Flash. It also excels when it comes to excellent performance on some platforms such as Linux and Mac OS X.

With the adoption of HTML5:

- ARCHIBUS has converted all related views in applications into HTML5.
- ARCHIBUS has carried forward all existing Gantt chart features in the product into this release.
- ARCHIBUS will keep existing Flash-based solution views under the folder **/schema/ab-products/solutions/flash/gantt/**. Customers may delete these at any time.
- ARCHIBUS keeps new HTML5-based solution views under the folder **/schema/ab-products/solutions/programming/gantt**

Below is an example of an ARCHIBUS view that has the Gantt chart control converted from Adobe Flash to HTML5. This view maintains the same functionality as that available in prior releases. This view is accessible from **Capital Project Management / Project Management / Plan / Estimate Design Schedule and Durations**



View designers can include the Gantt chart features in views that they design.

Help Topic in ARCHIBUS System Management Help:

[Add-in Manager / User Interface Extensions / Other Controls / Gantt Control](#)

Sample View:

Technologies / User Interface Add-Ins / Controls / Gantt Chart (ab-ex-gantt-activity.axvw)

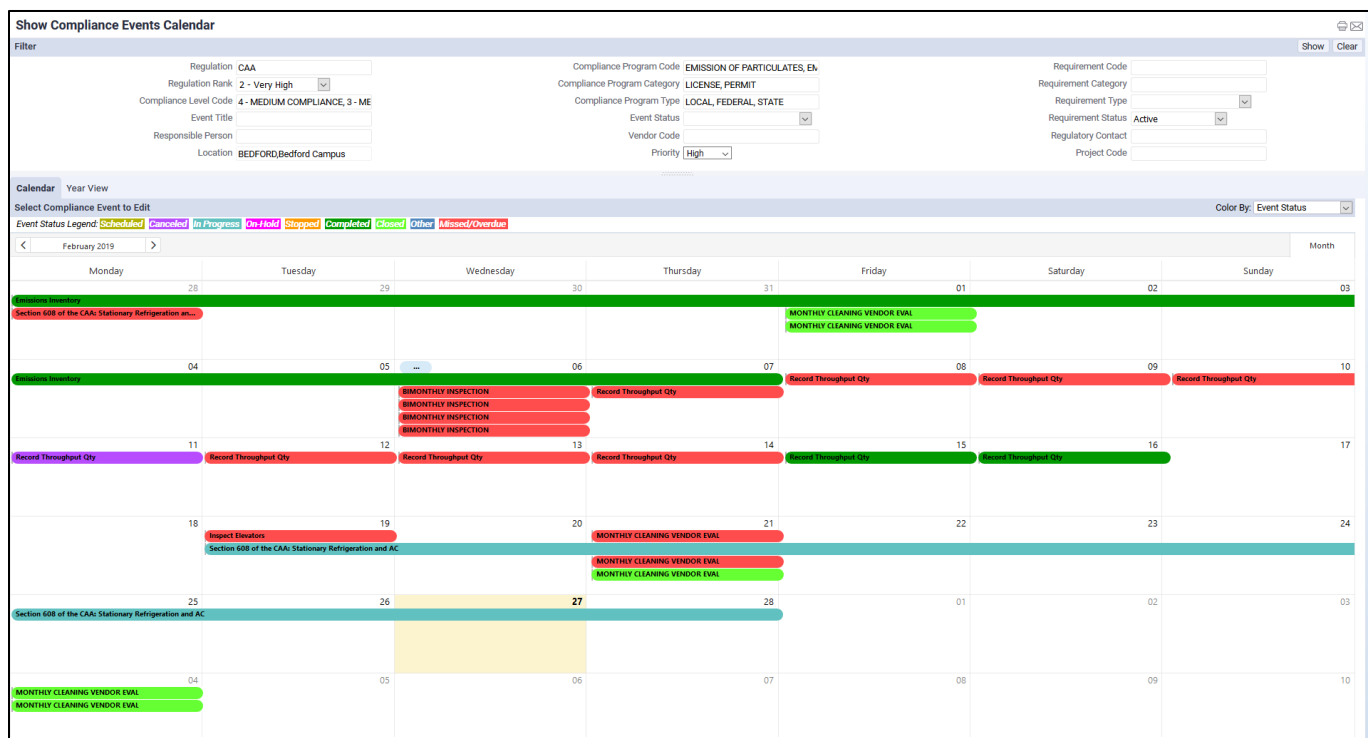
HTML5 Calendar Control

In keeping with the transition from Flash control to HTML5, ARCHIBUS has also updated calendar views with HTML5.

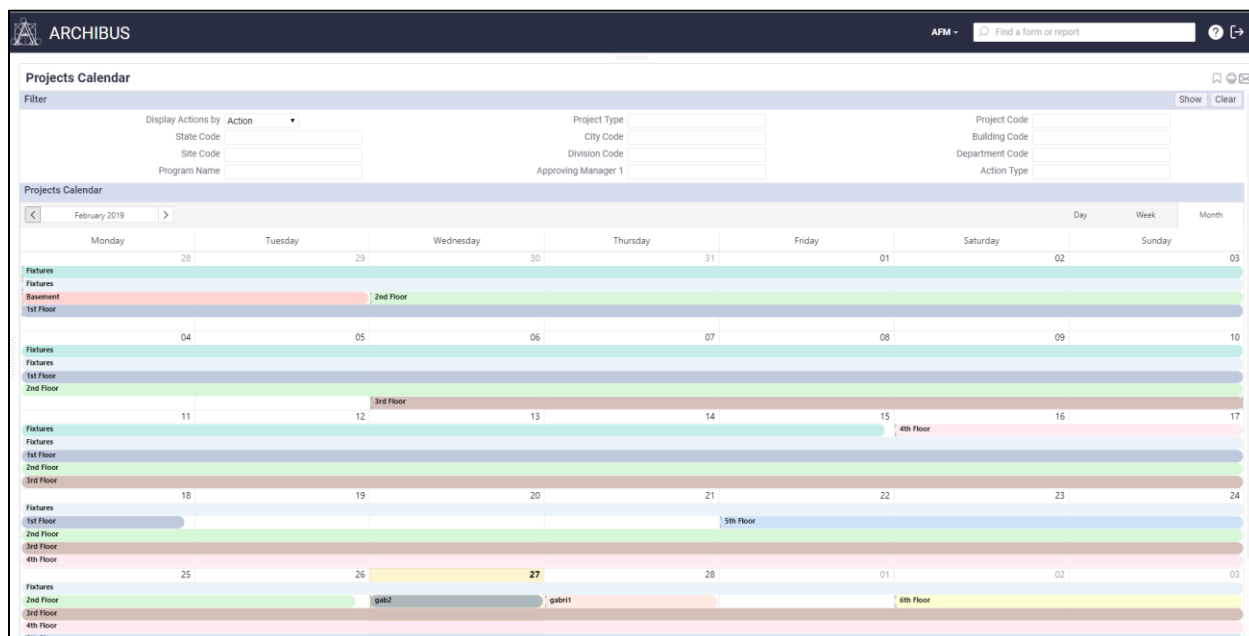
Application Views Updated to HTML5

The following screenshots show examples of application calendar views that ARCHIBUS has updated to HTML5:

- Environmental & Risk Management / Compliance Management / Compliance Program Manager / Show Compliance Events Calendar



- **Capital Project Management / Project Management / Monitor / Projects Calendar**



Other application views that have been updated include:

- **Environmental & Risk Management / Energy Management / Accounting Supervisor / View Bill Calendar**
- **Move Management / Enterprise Move Management / Move Coordinator / Examine Move Calendar.**

Note that for application views that were changed:

- Only "Month" view is displayed. For data that is shown there is no time information saved.
- The "Today" action button is not available with HTML control.

Solution Templates Updated to HTML5

Similar to application views, Solution Template views have also been created. They are located in the / **ab-products/solutions/parts/htmlcalendar/** folder:

- ab-ex-htmlcalendar-activity.axvw
- ab-ex-htmlcalendar-multiple-summary-field.axvw
- ab-ex-htmlcalendar-with-time-in-day.axvw
- ab-ex-htmlcalendar-project.axvw
- ab-ex-htmlcalendar-wrkgpkg.axvw

Help Topic in ARCHIBUS System Management Help:

[Add-in Manager / User Interface Extensions / Other Controls / Calendar Control](#)

Improvements to Smart Client Extensions for Revit and AutoCAD

A number of improvements and fixes to the Smart Client Extensions for Revit and AutoCAD have been included in this release. The list below provides a brief description of key changes.

- Smart Client Extension for Revit
 - The BIM Explorer now recognizes Revit Area elements along with a broader range of Revit categories that have been mapped to ARCHIBUS asset types.
 - Changed the default fill opacity for viewing objects from 1 to 0.3. This permits structures such as walls in drawings published from Revit or AutoCAD to become visible in the ARCHIBUS Space Console.
 - Fixed issues so that assets can now be published from linked models.
- Smart Client Extension for AutoCAD
 - Fixed issues so that polylines and text in floor plans can now be depicted accurately in the Space Console.