AspectFT is an award-winning Building Automation and energy control solution designed to allow users seamless access to their building data through common and convenient web technologies available on a wide array of generally available devices.

AspectFT brings building information and control into the palm of any user’s hand through integration with services like Twitter®, RSS, email, Google Calendar™, Microsoft® Outlook®, and Apple® iCal®. Through compatibility with common web platforms, you can access your building in a variety of ways from a variety of devices. In many cases AspectFT will integrate with your current computer or smart device through programs already on those devices.

With the right user permissions, you can gain direct access to the information and tools that are vital to saving time, energy, and money.
Imagine...you schedule a meeting for the conference room through Microsoft Outlook*. With AspectFT the room can automagically (it really is like magic) set the room to be prepared for the meeting. No need to worry about changing the settings on the thermostat, or remembering to turn it down after the meeting. No need to know BAS. Just schedule the meeting and go.

With the technology you use everyday including HTML 5, RSS, email, and Twitter, your computer or smart device can get all the information you need, when you need it, with less complication. Whether you are on your computer, smartphone, or tablet, AspectFT is designed to communicate with the applications and programs you use everyday to deliver trend graphs, energy reports, and all the vital data you need from your facilities to help integrate your buildings to your world.

*Outlook 2007 or greater required for iCalendar integration.
The AspectFT solution brings together multiple protocols and devices to a dedicated, centralized, or redundant location designated by the customer. From here collective data can be accessed, eliminating the need to visit each individual site.

Through a user interface custom designed by a trained AspectFT Engineer, all data provided in any number of buildings can be viewed in an almost infinite number of ways. All that is required is the use of a standard web browser such as, Google Chrome™, Firefox®, Opera™, Safari®, or Internet Explorer®. With the click of a button and the right security credentials, global aggregate building data can be monitored and mined, increasing efficiency and reducing energy consumption and cost.

AspectFT v2.0 and higher also utilizes HTML5, allowing you to obtain information including trends, setpoints and more from your Building Automation System on the fly. Once the project is created in AspectFT-Studio™ it can be viewed and altered from most popular web-enabled devices with no additional plug-ins or engineering time. With just a few extra steps, new points can be added, for fast and convenient data acquisition. It's Auto-Magic™. HTML5 is available for all AspectFT 2.0 solutions.
Be comfortable with vSTAT®, a Virtual Zone application designed for use with the American Auto-Matrix AspectFT system.

Through use of this application, users can access multiple servers anywhere in the world and drill down to specific zones within a facility. Users can change temperature setpoints, occupancy status, fan status, and more. Through AspectFT, vSTAT can even be customized to display and control custom points.

Want to turn the lights on or off? vSTAT can be programmed to do it! vSTAT also comes with a built-in QR Code® Reader for remote navigation within a facility.

Through software contained in AspectFT-Studio, a QR Code can be generated and printed for a specific zone and placed near a thermostat or access point. From there users can scan this code, and with the right user permissions access the zone. vSTAT also encrypts transmitted data using Blowfish encryption.

Learn more on how using vSTAT can improve your facility zone management. Scan the QR Code below with your smartphone or visit www.aamatrix.com/vstat
Scheduling Without Compromise

Schedule your buildings through programs such as Microsoft Outlook, Google Calendar, Apple iCal, and any of over 40 other programs that utilize the iCalendar protocol.

This means that if you schedule a room in your building for a meeting, a workday, or weekend occupancy, it can be done without the need to access a proprietary scheduling tool. Don’t worry, should your building lose internet connectivity, AspectFT will still maintain the last received schedule until connectivity is restored and new changes are made.

With AspectFT you can schedule a resource for a meeting in your corporate calendar and the building will automatically adjust for the occupancy of that zone. No need to worry about turning things on or off. Just plan your meeting and AspectFT will do the rest.
AspectFT allows you to access your building information on the go through RSS feeds, Twitter and Email. Through your phone, iPad® or laptop you can access pertinent information wherever you are.

With RSS feed technology you can receive a plethora of information including energy data directly to your e-mail or smart device. Receive notifications on alarms and statuses of your building system on your smart phone. Have reports emailed to you at the end of the day in the comfort of your home.

These are just a few of the convenient ways that AspectFT brings information straight to you.

Through integration to common internet communication mediums, AspectFT can get important information to any level of user quickly. With services like Twitter, all someone needs to do is follow the buildings tweets to get up-to-date information. This is as easy as texting to 40404 and “Follow” a specific building or zone.
Store and retrieve all building data through MySQL® or other databases. This allows for data to be mined easily and effectively through familiar programs like SAP® Crystal Reports and Microsoft Excel®. With advanced audit trail functionality, reports can be generated to not only show energy trends, but reasons for anomalies in the data as well as what user was responsible for any changes.

Through programs already being used in most facilities, energy data can be mined in a variety of ways. In the above example, live trend data is being brought into Excel.
Manage energy consumption with XPath ®. Data from XML tables can be integrated to create more dedicated and automated control.

For example: weather services from sites like Yahoo!® Weather, and Weather.com can be utilized to manage building routines based on predicted weather patterns. Services like Google Latitude™ can be used to let your building know when you have entered or left the proximity of a building and automatically adjust set-points or manage lighting.

Weather data can be integrated into AspectFT and used to predict energy loads and building automation requirements. Unseasonal weather patterns can result in the building changing its routines accordingly to ensure optimal comfort and energy usage.
An Aspect For Every Size Facility

AspectFT-Matrix MAX™

Have a smaller facility? AspectFT-Matrix MAX is the solution for you.

Designed to provide you with traditional building control features such as alarming, scheduling, trending, as well as custom programming, the AspectFT-Matrix MAX provides you with a flexible area control solution for your building automation system.

AspectFT-Facility™ & AspectFT-Nexus™

Multiple facilities to manage? There are Aspects for that.

With both solutions, you have access to traditional capabilities, centralized web access, historical database storage, and more...providing extensive building control routines for a variety of facilities anywhere in the world.

AspectFT-Enterprise™

It doesn't get any bigger than this.

Installed on specified hardware or virtual machines, AspectFT-Enterprise is hosted by the end-user and provides the capability, specifications and security to meet any size project at an affordable price.

AspectFT-Studio™

Bring it all together.

AspectFT-Studio is a graphical programming tool used to create and define all necessary elements for a project including logical sequences, historical entities, schedule functions and user interface environments. AspectFT-Studio provides an easy method to build and understand your project.
Lab & Fume Hood Controls
With the Auto-Flow® line you get the power of BACnet® and BTL certification combined with the flexibility of choosing your method for control.

HVAC Controls
AAM offers a full line of HVAC products. With more than 30 years providing Smart Building Solutions® we can control your building efficiently and comfortably.

Real-Time Energy Analytics
Active Energy provides cloud-based energy monitoring and management tools that allow you to analyze and optimize the energy consumption of your facilities, regardless of size, number of buildings, or location.

Solution from American Auto-Matrix

Example Installed Sites
Melbourne Cricket Ground
Carnegie Mellon University
Cold Spring Harbor Labs
Museum of Natural History
London Stock Exchange
St. Bonaventure University

Cold Spring Harbor Labs
St. Bonaventure University
Melbourne Cricket Ground
Carnegie Mellon University
To find an authorized Solution Integrator® in your area, visit:

www.aamatrix.com/find-installer