

Metasys Integrator® 300/3500 Series

Product Bulletin Supplement

Code No. LIT-629075
Software Release 10.0
Issued October 6, 2008
Supersedes May 25, 2004

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Metasys Integrator® 300/3500 Series

Product Bulletin Supplement

Document Introduction

This supplement lists the vendors and equipment currently supported by the Metasys Integrator® (MIG) 300 and 3500 Series units. The listing is presented in two forms: in alphabetical order and by vendor name.

Vendor Listing—Alphabetical

The following vendor equipment can be interfaced with the Metasys Integrator unit. For the MIG300, firmware Release 9.2 and software Release 9.3 apply. For the MIG3500, firmware Release 10.0 and software Release 10.0 apply.

Table 1: Vendor Integration (Alphabetical) (Part 1 of 6)

Vendor	Equipment	
Asea Brown Boveri (ABB®) Ltd.	<ul style="list-style-type: none"> ACH 500 Adjustable Frequency Drives 	<ul style="list-style-type: none"> ACS 500 Adjustable Frequency Drives
Automation Displays Incorporated (ADI)	<ul style="list-style-type: none"> Q-Card Z-Card® 	<ul style="list-style-type: none"> Auto-Plexor IV
Airflow Company	<ul style="list-style-type: none"> DATA C DX Series Dash 2x01 DATA C CG Series Dash 2x02 DATA C CW Series Dash 2x03 Drycell Series Dash 2x04 DATA C Mainframe Chiller Series Dash 2x05 DATA C DX Retrofit Series Dash 2x07 DATA C CW Retrofit Series Dash 2x08 CCT DX with Hot Gas Bypass Dash 2x09 TELAC Series Dash 2x11 DATA C CG Series Dash 2x12 	<ul style="list-style-type: none"> DATA C DX Series Dash 2x13 Tech Cool Dash 4x01, 4x015 CG Series Dash 4x02, 4x016 CW Series Dash 4x03, 4x017 Main Frame Chiller Dash 4x05 CCT DX Series Dash 4x06, 4x018 Drycell Series Dash 4x08 Ceiling Mounted Unit Dash 4x04, 4x022 AFX Series Dash 4x029, 4x030, 4x033, 4x034
ALLEN-BRADLEY®¹	<ul style="list-style-type: none"> PLC/3 (custom) PLC/5 (custom) 	<ul style="list-style-type: none"> SLC 5/03, 5/04, 5/05 (custom) MicroLogix 1500 (custom) ControlLogix® 5000 (custom)
American Power Conversion (APC®) Corporation	<ul style="list-style-type: none"> Symmetra® Power Array Uninterruptable Power Supply (UPS) 	<ul style="list-style-type: none"> NetworkAIR™ Floor Mount (FM) Air Conditioning (AC) Unit
ASI	<ul style="list-style-type: none"> Silcon™ DP300 E Series UPS 	<ul style="list-style-type: none"> ASIC/1-8010 VAV, Dual Duct, and Fan Powered Controller ASIC/1-8015 VAV, Dual Duct, and Fan Powered Controller ASIC/1-8710 VAV, Dual Duct, and Fan Powered Controller
Best Power Technologies	<ul style="list-style-type: none"> ASIC/1-4015 VAV, Dual Duct, and Fan Powered Controller ASIC/1-7210 Air-to-Air Heat Pump Controller ASIC/1-7510 Single Zone AHU Controller ASIC/1-7610 Multi-Stage AHU Controller FERRUPS® UPS 	<ul style="list-style-type: none"> Fortress® UPS

Table 1: Vendor Integration (Alphabetical) (Part 2 of 6)

Vendor	Equipment	
Carrier® Corporation	<ul style="list-style-type: none"> • Single Compressor Chiller (DP) • Dual Compressor Chiller (DP) • 19DR Dual Compressor Chiller (DP) • 19DK, 19XL Centrifugal Chillers (DP) • 19EX Centrifugal Chiller (DP, DL) • 23XL Hermetic Screw Chiller (DP, DL) • 17FA, 19FA Centrifugal Chiller (DP, DL) • 19XR Centrifugal Chiller (DP) • 19XR Centrifugal with PIC1 Controller (DL) • 19XR Centrifugal with PICII Controller (DP, DL) • 16JT Absorption Chiller (DP) • 17EX Chiller (DL) 	<ul style="list-style-type: none"> • 30HS, 30GB, 30GT, 30GN Reciprocating Chillers (DP) • 30GN Chiller (DL) • 30RA AquaSnap® Chiller with ComfortLink™ Controls (DL) • 30HX Water-Cooled and 30GX Air Cooled Screw Chillers without ComfortLink Controls (DP, DL) • 30HX/GX Screw Chiller with ComfortLink Controls (DL) • 48EJ, 48EK, 48EW, 48EY, 50EJ, 50EK, 50EW, and 50EY Single Package Rooftop Chillers (DP, DL)
Caterpillar®, Inc.	<ul style="list-style-type: none"> • Engine Generator EMCP II 	<ul style="list-style-type: none"> • Engine Generator EMCP II+
Cedar Products	<ul style="list-style-type: none"> • Room Pressurization Controller 	<ul style="list-style-type: none"> • Fume Hood Face Velocity Controller
Cerberus Pyrotronics® (See Siemens® Cerberus)		
Aqua-Chem®, Inc. Group	<ul style="list-style-type: none"> • CB-Hawk® Boiler Controller (ASCII, GBI) • CB-783 Expanded Annunciator (GBI) 	<ul style="list-style-type: none"> • CB Hawk Enhancer (ASCII, GBI) • CB-780 Burner Control (GPI)
Compu-Aire	<ul style="list-style-type: none"> • System 2100 	
Control Techniques	<ul style="list-style-type: none"> • Affinity AC Drive Control 	<ul style="list-style-type: none"> • Eclipse AC Drive Control
Crown Controls, Inc.	<ul style="list-style-type: none"> • Fume Hood Face Velocity Controller • Room Pressurization Controller 	<ul style="list-style-type: none"> • Dual Variable Air Volume Controller
Cummins/Onan® Corporation	<ul style="list-style-type: none"> • PowerCommand® Control (PCC) 	
Cutler-Hammer®	<ul style="list-style-type: none"> • IMPACC IQ 1000 II • IMPACC IQ Data Plus II • IMPACC IQ Data Plus 4000 • IMPACC Advantage • IMPACC Advantage Control Module • IMPACC IQ Energy Sentinel • IMPACC IQ Generator/Data 	<ul style="list-style-type: none"> • IMPACC AEM II/CMU • IMPACC Digitrip™ II • IMPACC IQ Analyzer • IMPACC Digitrip MV • IMPACC Digitrip RMS 810 • IMPACC Digitrip 3000
Danfoss® (formerly Graham)	<ul style="list-style-type: none"> • Model 1576 Adjustable Frequency Drive 	<ul style="list-style-type: none"> • Model 1703 Adjustable Frequency Drive
Douglas Lighting Controls™ PDM Electrical Products	<ul style="list-style-type: none"> • PDM MC600 Lighting Control Panel 	
Dunham-Bush®, Inc.	<ul style="list-style-type: none"> • WCFX Chiller • ACX/AUX Chiller • ACWC Chiller • ACDR/AUDR Chiller 	<ul style="list-style-type: none"> • WCOX Chiller • HWSC Chiller • ACDX/AUDX Chiller
Eaton®/Cutler-Hammer	<ul style="list-style-type: none"> • IS-5000+ Adjustable Frequency Variable Speed Drives 	<ul style="list-style-type: none"> • AF-5000+ Adjustable Frequency Variable Speed Drives
Exide® (See Powerware®)		

Table 1: Vendor Integration (Alphabetical) (Part 3 of 6)

Vendor	Equipment	
Fireye® Company	<ul style="list-style-type: none"> • E100/E101/E110 Flame Monitor Application • EPD160 Flame Monitor Application 	<ul style="list-style-type: none"> • E340 Boiler Controller Application
GE® Fanuc™	<ul style="list-style-type: none"> • FANUC 9030 Programmable Logic Controllers (PLC) 	<ul style="list-style-type: none"> • FANUC 9070 PLC
GE Lighting	<ul style="list-style-type: none"> • Total Lighting Control (TLC) Panel 	<ul style="list-style-type: none"> • ECON Lighting Controls
GE Power	<ul style="list-style-type: none"> • Epic MicroVersaTrip® Circuit Interrupter System • Power Leader® Meter • Power Leader MVT PM • Power Leader Spectra MVT • Power Leader Enhanced MVT PM 'C' • Power Leader Enhanced MVT PM 'D' 	<ul style="list-style-type: none"> • Power Leader Electronic Power Meter • MDP • EPM3710 Power Meter • EPM3720 Power Meter • EPM5300P Power Meter • EPM7300 Power Meter • EPM9650Q Power Meter • GE MultiLin® Power Quality Meter (PQM)
Graham (see Danfoss)		
Heat-Timer®	<ul style="list-style-type: none"> • MOD-4 Sequencing Control • HWR Weather Actuated Control • HWR-Q Weather Actuated Control 	<ul style="list-style-type: none"> • MPC Weather Actuated Control • MPC-Q Weather Actuated Control • Multi-Mod
Honeywell®, International, Inc.	<ul style="list-style-type: none"> • BCS 7700 Boiler Control System • 7830 Expanded Annunciator 	<ul style="list-style-type: none"> • 7800 Series Burner Control
Ingersoll-Rand® Company	<ul style="list-style-type: none"> • CENTAC® Centrifugal Air Compressor 	
Johnson Controls® DSC 1000	<ul style="list-style-type: none"> • C210A-1 Digital VAV Terminal Unit Controller • C500L Digital Lighting Controller 	<ul style="list-style-type: none"> • C260A-1 Digital Water Source Heat Pump Controller
Johnson Controls Fire Panel	<ul style="list-style-type: none"> • IFC-200 Intelligent Fire Controller 	
Johnson Yokogawa	<ul style="list-style-type: none"> • YS100 Series Multi-Function and Programmable Controllers 	

Table 1: Vendor Integration (Alphabetical) (Part 4 of 6)

Vendor	Equipment	
Liebert® Corporation	MCCI: <ul style="list-style-type: none"> • Deluxe System 3 Levels 0, 1, 2, 3, 10, and 15 • Small Systems Controller ECA2: <ul style="list-style-type: none"> • Levels 0, 10, and 15 DCLAN: <ul style="list-style-type: none"> • Small Systems Controller (LOB) • Chiller with Econocoil® CE1, CE2, CE3 • Chiller CW1, CW2, and CW3 • Series 600 Static Control Cabinet (SCC) • UPS Series 300 and 600 • Power Conditioning Unit • Environmental Unit Levels 0, 2, 3, 10, 15, L02, L03, L10, L1A, LAM, L00, LOA, and LSM • Contact Closure Module (CCM) SiteLink: <ul style="list-style-type: none"> • AP301/302 Single Module UPS • Early Series 300/500/600 Single Module UPS • Early Series 500/600 System Control Cabinet • Early Series 500/600 Multi-Module UPS • Series 600 Single Module UPS with Extended Protocol • Series 600 Multi-Module UPS with Extended Protocol • Series 600 System Control Cabinet with Extended Protocol 	SiteLink: <ul style="list-style-type: none"> • Deluxe System 3 with Level 0, 3, 10, 15, Advanced Microprocessor, and Standard Microprocessor • Challenger 3000 with Standard and Advanced Microprocessor • Challenger 3 with Level 0 Controller • DataMate with Small System Controller • Industrial Cooling Series with Standard and Advanced Microprocessor and Level 10 • Logicool™ with Level 0 • MiniMate, MiniMate2, MiniMate Plus • LDS750, LDS1000 • RAC2-8 Autochangeover • Temperature/Humidity Module • CCM200 Contact Closure Module • CCM100 Current Sensing Module • RCM8 Contact Closure Module • Datawave® Regulator with Power Monitoring Panel, and Voltage Current Frequency Monitoring Panel • PDU Static Transfer Switch Single Output Breaker (prior to 1/99) • Precision Power Center with Power Monitoring Panel and Voltage Current Frequency Monitoring Panel • MPU 4000 with Voltage Current Frequency Monitoring Panel • CSU 3000 Chiller • CSU 3000 Chiller with Econocoil unit • NPower® IMP UPS
Linear Corporation (Nortek, Inc.)	<ul style="list-style-type: none"> • SESCOA Model 3000R Digital Control Station 	
Lutron® Electronics Company, Inc.	<ul style="list-style-type: none"> • Grafik 6000® Lighting Controls 	
McQuay® International	<ul style="list-style-type: none"> • Centrifugal Chiller • Reciprocating Chiller • Applied Rooftops, 40 to 135 ton • Lead/Lag Load Balance Controller • Self Contained Air Conditioning Unit • Absorption Chiller • Series 200 Centrifugal Chiller • Air Cooled Screw Chiller 	<ul style="list-style-type: none"> • Series 200 Flooded Screw Chiller • Series 200 Lead/Lag Load Balance Controller • Unit Ventilator • Series 100 Water Source Heat Pump • Loop Water Controller • Series 100 Large Water Source Heat Pump • Water Cooled Screw Chiller
Met One (See Pacific Scientific)		
MGE UPS Systems	<ul style="list-style-type: none"> • Comet – EPS3000 	<ul style="list-style-type: none"> • Galaxy – EPS6000
Multistack®, Inc.	<ul style="list-style-type: none"> • Modular Liquid Chiller Package 	<ul style="list-style-type: none"> •
Mestek Technology, Inc. (Nesbitt® Unit Ventilators)	<ul style="list-style-type: none"> • 7210 Air-to-Air Heat Pump Controller • 7510 Single Zone Unit Ventilator Controller 	<ul style="list-style-type: none"> • 7610 Multi-Stage Hydronic Heat Ventilator
Nellcor Puritan Bennett	<ul style="list-style-type: none"> • MEGA Digital Module 	<ul style="list-style-type: none"> • MEGA Multi-Signal Module
Northern Computers Inc.	<ul style="list-style-type: none"> • Northern N750 	
Notifier® Company	<ul style="list-style-type: none"> • AFP-200 Analog Fire Panel 	

Table 1: Vendor Integration (Alphabetical) (Part 5 of 6)

Vendor	Equipment	
Pacific Scientific (formerly Met One)	<ul style="list-style-type: none"> Particle Counter Models 217, 237, and 48xx 	
PDM Electrical Products (see Douglas Lighting Controls)		
PoolPak, Inc. (Heat Recovery Technology, Inc.)	<ul style="list-style-type: none"> Electric Control Center (ECC II) – PoolPak System 	
Power Measurement Ltd.	<ul style="list-style-type: none"> 3300 Power Meter 3710 Power Meter 	<ul style="list-style-type: none"> 3720 Power Meter 7300 Power Meter
Powerware® Corporation (formerly Exide Technologies)	<ul style="list-style-type: none"> Powerware UPS with Binary Computer Mode (BCM) Protocol Support 	
Coltec Industries Inc.	<ul style="list-style-type: none"> Quincy QSI® Compressor with Power\$ync® Option 	
Instron® SATEC Systems	<ul style="list-style-type: none"> PM170E Powermeter™ display PM270 Powermeter display PM290 Powermeter display 	<ul style="list-style-type: none"> PM290HD Powermeter display PM295 Powermeter display RPM090 Powermeter display
Siemens®	<ul style="list-style-type: none"> 4300 Power Meter 4700 Power Meter 9300 Power Meter 9500 Power Meter 9600 Power Meter 	<ul style="list-style-type: none"> Static Trip III/CPNX Advanced Motor Master System Access I/O Addressable Relay SIMATIC® S5 Controller
Siemens Cerberus Pyrotronics (formerly Cerberus Pyrotronics)	<ul style="list-style-type: none"> MXL (NIM-1R, NIM-1W), MMB-1, ALD-2, MMB-2, XLD-1 	
SimplexGrinnell® (TEPG), Inc	<ul style="list-style-type: none"> Network Display Unit/4100/4100U/4120/4020 Fire Panel Network Interface Card Slot Auxiliary Relay Card and Multi function Card Point Status Device Points Mapnet® Interface Card 	<ul style="list-style-type: none"> Digital Pseudo Card Network Interface Card Four/Eight Point Auxiliary Relay Card and Eight Point Multi-Function I/O Card Remote User Interface Card Mapnet II® Device Points
Square D® Company	<ul style="list-style-type: none"> POWERLOGIC® CM-100 Circuit Monitor PowerLink® AS Control Modules PIF85 Temperature Controller I/F OMEGAPAK Class 8803 Type P AC Drive POWERLOGIC Class 3020 Energy Meter 	<ul style="list-style-type: none"> POWERLOGIC CM-2000 Circuit Monitor POWERLOGIC CM-3000 Circuit Monitor POWERLOGIC CM-4000 Circuit Monitor POWERLOGIC Class 3020 PM-650 Power Meter PIF3 Breaker Interface 810D Digitrip units
Tecogen®, Inc.	<ul style="list-style-type: none"> CH150 Chiller Controller CH340 and CH350 Chillers CH50 Chillers 	<ul style="list-style-type: none"> CH500 Chiller Controller HT Series Chillers
Tek-Air Systems	<ul style="list-style-type: none"> FVC-2000 Fume Hood/Controller 	
TITUS®	<ul style="list-style-type: none"> 4015 Variable Air Volume (VAV), Single/Dual Duct, and Fan Powered Controller 8010 VAV, Single/Dual Duct, and Fan Powered Controller Zcom® Room Diffuser 	<ul style="list-style-type: none"> 8015 VAV, Single/Dual Duct, and Fan Powered Controller 8710 VAV, Single/Dual Duct, and Fan Powered Controller
The Trane® Company	<ul style="list-style-type: none"> Tracer Summit® BCU System 	
TSI®	<ul style="list-style-type: none"> SureFlow™ Fume Hood Face Velocity Control PRESSURA Isolation Monitor 	<ul style="list-style-type: none"> SureFlow™ Laboratory Room Pressure Control

Table 1: Vendor Integration (Alphabetical) (Part 6 of 6)

Vendor	Equipment	
United Power	<ul style="list-style-type: none"> • Focus Interface Module (FIM) 	
Unosource Controls, Inc.	<ul style="list-style-type: none"> • UC8200 Multivariable Pump Controller 	<ul style="list-style-type: none"> • IT820 Universal Operator Interface
Veeder-Root® Industries Inc.	<ul style="list-style-type: none"> • TLS-350 	
Vilter® Manufacturing Company	<ul style="list-style-type: none"> • Reciprocating Compressor • Twin Screw Compressor 	
York® International (by Johnson Controls)	<ul style="list-style-type: none"> • YT Chiller (Centrifugal Dual Shell or Mono Shell) • YK Chiller (Centrifugal Super Chiller) • YS Chiller (125-400 Ton Rotary Screw) • LS Chiller (1000 - 1250 Ton Rotary Screw) • YP Chiller (Absorption Chiller) • C1 Chiller (USA Reciprocating Intelligent Chiller - Master) • C3 Chiller (USA Reciprocating Intelligent Chiller - Slave) • YG Chiller (Gas Engine Drive Chiller) 	

1. To meet application needs, custom interfaces may require modifications in either the vendor equipment or the existing Metasys Integrator driver/table.

Vendor Listing—by Application

The following vendor equipment can be interfaced with the Metasys Integrator unit. For the MIG300, firmware Release 9.2 and software Release 9.3 apply. For the MIG3500, firmware Release 10.0 and software Release 10.0 apply.

Table 2: Vendor Integration (by Application) (Part 1 of 8)

Application	Vendor	Equipment	
Air Compressors	Ingersoll-Rand Company	<ul style="list-style-type: none"> CENTAC Centrifugal Air Compressor 	
	Quincy Compressor	<ul style="list-style-type: none"> Quincy QSI Compressor with PowerSync Option 	
Annunciators	Automation Displays Incorporated (ADI)	<ul style="list-style-type: none"> Q-Card Z-Card 	<ul style="list-style-type: none"> Auto-Plexor IV
Breaker Interface	Square D Company	<ul style="list-style-type: none"> PIF3 Breaker Interface 	<ul style="list-style-type: none"> 810D Digitrip units
Boiler Controls	Cleaver Brooks Company	<ul style="list-style-type: none"> CB-Hawk Boiler Controller CB-783 Expanded Annunciator 	<ul style="list-style-type: none"> Lead/Lag Efficiency Enhancer CB-780 Burner Control
	Fireye Company	<ul style="list-style-type: none"> E100/E101/E110 Flame Monitor Application EPD160 Flame Monitor Application 	<ul style="list-style-type: none"> E340 Boiler Controller Application
	Heat-Timer Company	<ul style="list-style-type: none"> MOD-4 Sequencing Control HWR Weather Actuated Control HWR-Q Weather Actuated Control 	<ul style="list-style-type: none"> MPC Weather Actuated Control MPC-Q Weather Actuated Control Multi-Mod
	Honeywell International, Inc.	<ul style="list-style-type: none"> BCS 7700 Boiler Control System 7830 Expanded Annunciator 	<ul style="list-style-type: none"> 7800 SERIES Burner Control
Central Station	Linear Corporation	<ul style="list-style-type: none"> SESCOA Model 3000R Digital Control Station 	

Table 2: Vendor Integration (by Application) (Part 2 of 8)

Application	Vendor	Equipment	
Chiller/Rooftop Units	Airflow	<ul style="list-style-type: none"> Main Frame Chiller Dash 4x05 	
	Carrier Corporation	<ul style="list-style-type: none"> Single Compressor Chiller (DP) Dual Compressor Chiller (DP) 19DR Dual Compressor Chiller (DP) 19DK, 19XL Centrifugal Chillers (DP) 19EX Centrifugal Chiller (DP, DL) 23XL Hermetic Screw Chiller (DP, DL) 17FA, 19FA Centrifugal Chiller (DP, DL) 19XR Centrifugal Chiller (DP) 19XR Centrifugal with PICI Controller (DL) 	<ul style="list-style-type: none"> 30HS, 30GB, 30GT, 30GN Reciprocating Chillers (DP) 30GN Chiller (DL) 30RA AquaSnap Chiller with ComfortLink Controls (DL) 30HX Water-Cooled and 30GX Air Cooled Screw Chillers without ComfortLink Controls (DP, DL) 30HX/GX Screw Chiller with ComfortLink Controls (DL) 48EJ, 48EK, 48EW, 48EY, 50EJ, 50EK, 50EW, and 50EY Single Package Rooftop Chillers (DP, DL)
	Dunham-Bush, Inc.	<ul style="list-style-type: none"> WCFX Chiller AC/AUX Chiller ACWC Chiller ACDR/AUDR Chiller 	<ul style="list-style-type: none"> WCOX Chiller HWSC Chiller ACDX/AUDX Chiller

Table 2: Vendor Integration (by Application) (Part 3 of 8)

Application	Vendor	Equipment	
	Liebert Corporation	<ul style="list-style-type: none"> DCLAN CW1, CW2, CW3, CE1, CE2, and CE3 	<ul style="list-style-type: none"> SiteLink Chiller and Chiller with Econocoil unit
	Mcquay International	<ul style="list-style-type: none"> Centrifugal Chiller Reciprocating Chiller Applied Rooftops, 40 to 135 ton Lead/Lag Load Balance Controller Self Contained Air Conditioning Unit Absorption Chiller 	<ul style="list-style-type: none"> Series 200 Centrifugal Chiller Series 200 Flooded Screw Chiller Series 200 Lead/Lag Load Balance Controller Loop Water Controller Screw Chiller
	Multistack, Inc.	<ul style="list-style-type: none"> Modular Liquid Chiller Package 	
	Tecogen, Inc.	<ul style="list-style-type: none"> CH340 and CH350 Chillers CH50 Chillers CH150 Chiller Controller 	<ul style="list-style-type: none"> HT Series Chillers CH500 Chiller Controller
	The Trane Company	<ul style="list-style-type: none"> Centrifugal Chiller (CVHE, CVHF, CVAD, CVHB) 1 or 2 Stage Absorption Chiller (Steam or Hot Water, with UCP-2 Panel) RTAA Chiller 	<ul style="list-style-type: none"> Series R Chiller (RTHA, RTHB) Auxiliary Equipment RTWA Chiller Rooftop Units Tracer Summit BCU System
	York International (by Johnson Controls)	<ul style="list-style-type: none"> YT Chiller (Centrifugal Dual Shell or Mono Shell) YK Chiller (Centrifugal Super Chiller) YS Chiller (125-400 Ton Rotary Screw) LS Chiller (1000 - 1250 Ton Rotary Screw) YP Chiller (Absorption Chiller) C1 Chiller (USA Reciprocating Intelligent Chiller - Master) C3 Chiller (USA Reciprocating Intelligent Chiller - Slave) 	<ul style="list-style-type: none"> B1 Chiller (UK Basildon Reciprocating Intelligent Chiller - Master) B3 Chiller (UK Basildon Reciprocating Intelligent Chiller -Slave) YR Chiller (Sunline 3000 Rooftop Chiller) A1 Chiller (Air-cooled Screw Chiller - Master) A3 Chiller (Air-cooled Screw Chiller - Slave)
Closed Circuit TV	Bosch Security Systems	<ul style="list-style-type: none"> Allegiant® Series TC8500, TC8600, TC8700, and TC8800 Series Switcher/Control System 	

Table 2: Vendor Integration (by Application) (Part 4 of 8)

Application	Vendor	Equipment	
Computer Room A/C	Airflow	<ul style="list-style-type: none"> • DATAC DX Series Dash 2x01 • DATAC CG Series Dash 2x02 • DATAC CW Series Dash 2x03 • Drycell Series Dash 2x04 • DATAC Mainframe Chiller Series Dash 2x05 • DATAC DX Retrofit Series Dash 2x07 • DATAC CW Retrofit Series Dash 2x08 	<ul style="list-style-type: none"> • DATAC DX with Hot Gas Bypass Dash 2x09 • TELAC Series Dash 2x011 • DATAC CG Series Dash 2x12 • DATAC DX Series Dash 2x13 • Tech Cool Dash 4x01 • CG Series Dash 4x02 • CW Series Dash 4x03 • CCT DX Series Dash 4x06
	American Power Conversion (APC)	NetworkAir FM AC Unit	
	Compu-Aire	System 2100	
	Liebert Corporation	<ul style="list-style-type: none"> • MCCI Deluxe System 3 Levels 0, 1, 2, 3, 10, and 15 • MCCI Small Systems Controller • ECA2 Levels 0, 10, and 15 • DCLAN Environmental Unit Levels 0, 0A, 2, 3, 10, and 15, and LSM <p>SiteLink:</p> <ul style="list-style-type: none"> • Deluxe System 3 with Level 0, 10, 15, Advanced Microprocessor, and Standard Processor • Challenger 3000 with Standard and Advanced Microprocessor 	<p>SiteLink:</p> <ul style="list-style-type: none"> • Challenger 3 with Level 0 Controller • DataMate with Small System Controller • Industrial Cooling Series with Standard and Advanced Microprocessor and Level 10 • Logicool with Level 0 • MiniMate, MiniMate2, MiniMate Plus • LDS750, LDS1000 • RAC2-8 Autochangeover • Temperature/Humidity Module
Contact Monitor	Cutler-Hammer, Inc.	<ul style="list-style-type: none"> • IMPACC Advantage Control Module 	
	Liebert Corporation	<ul style="list-style-type: none"> • SiteLink CCM200 Contact Closure Module 	<ul style="list-style-type: none"> • SiteLink CSM100 Current Sensing Module • SiteLink RCM8 Contact Closure Module
Dehumidification	PoolPak, Inc.	<ul style="list-style-type: none"> • ECC II – PoolPak System 	
Digital Alarm Receivers	Linear Corporation	<ul style="list-style-type: none"> • SESCOA Model 3000R Digital Control Station 	

Table 2: Vendor Integration (by Application) (Part 5 of 8)

Application	Vendor	Equipment	
Drive Controls	ABB Ltd.	<ul style="list-style-type: none"> ACH 500 Adjustable Frequency Drive 	<ul style="list-style-type: none"> ACS 500 Adjustable Frequency Drive
	Eaton Corporation	<ul style="list-style-type: none"> IS-5000+ Adjustable Frequency Variable Speed Drives 	<ul style="list-style-type: none"> AF-5000+ Adjustable Frequency Variable Speed Drives
	Control Techniques	<ul style="list-style-type: none"> Affinity AC Drive Control 	<ul style="list-style-type: none"> Eclipse AC Drive Control
	Eaton/ Cutler Hammer	<ul style="list-style-type: none"> IS-5000+ Adjustable Frequency Variable Speed Drives 	<ul style="list-style-type: none"> AF-5000+ Adjustable Frequency Variable Speed Drives
	Danfoss (formerly Graham)	<ul style="list-style-type: none"> Model 1576 Adjustable Frequency Drive 	<ul style="list-style-type: none"> Model 1703 Adjustable Frequency Drive
	Square D Company	<ul style="list-style-type: none"> Omegapak Class 8803 Type P AC Drive 	
Fire Panels	Johnson Controls, Inc.	<ul style="list-style-type: none"> IFC-200 Intelligent Fire Controller 	
	Notifier	<ul style="list-style-type: none"> AFP-200 Analog Fire Panel 	
	Siemens Cerberus Division	<ul style="list-style-type: none"> MXL (NIM-1R, NIM-1W), MMB-1, ALD-2, MMB-2, XLD 1 	
	Simplex	<ul style="list-style-type: none"> Network Display Unit 4100/4100U/4120/4020 Fire Panel Network Interface Card Slot Auxiliary Relay Card and Multi function Card Point Status Device Points Mapnet Interface Card 	<ul style="list-style-type: none"> Network Interface Card Four/Eight Point Auxiliary Relay Card and Eight Point Multi-function I/O Card Remote User Interface Card Mapnet II Device Points Digital Pseudo Card
Fume Hood Controls	Cedar Products	<ul style="list-style-type: none"> Room Pressurization Controller 	<ul style="list-style-type: none"> Fume Hood Face Velocity Controller
	Crown Controls, Inc.	<ul style="list-style-type: none"> Fume Hood Face Velocity Controller Room Pressurization Controller 	<ul style="list-style-type: none"> Dual Variable Air Volume Controller
	Tek-Air Systems	<ul style="list-style-type: none"> FVC-2000 Fume Hood Controller 	
	TSI	<ul style="list-style-type: none"> Sureflow Face Velocity Control 	<ul style="list-style-type: none"> SureFlow Room Pressurization
Generators/ Controls	Caterpillar, Inc.	<ul style="list-style-type: none"> Engine Generator EMCP II 	<ul style="list-style-type: none"> Engine Generator EMCP II+
	Cummins/Onan Corporation	<ul style="list-style-type: none"> PowerCommand Control (PCC) 	
Humidifier	Airflow	<ul style="list-style-type: none"> Drycell Series Dash 4x08 	
Isolation Room Monitors	Tek-Air Systems	<ul style="list-style-type: none"> SPM 5000 Space Pressure Monitor 	
	TSI	<ul style="list-style-type: none"> PRESSURA Isolation Monitor 	

Table 2: Vendor Integration (by Application) (Part 6 of 8)

Application	Vendor	Equipment	
Lighting Controllers	Douglas Lighting Control/ PDM Electrical Products	<ul style="list-style-type: none"> PDM MC600 Lighting Control Panel 	
	GE Lighting	<ul style="list-style-type: none"> Total Lighting Control (TLC) Panel 	
	Lutron Electronics Company, Inc.	<ul style="list-style-type: none"> Grafik 6000 Lighting Controls 	
	Square D Corporation	<ul style="list-style-type: none"> PowerLink AS Control Modules 	
Louvre Shutter Control	TITUS	<ul style="list-style-type: none"> Zcom Room Diffuser 	
Medical Gas Alarm	Nellcor Puritan Bennett	<ul style="list-style-type: none"> MEGA Digital Module 	<ul style="list-style-type: none"> MEGA Multi-Signal Module
Particle Counter	Pacific Scientific	<ul style="list-style-type: none"> Models 217, 237, and 48xx 	
Power Monitoring	Cutler-Hammer, Inc.	<ul style="list-style-type: none"> IMPACC IQ 1000 II IMPACC IQ Data Plus II IMPACC IQ Data Plus 4000 IMPACC Advantage IMPACC IQ Energy Sentinel 	<ul style="list-style-type: none"> IMPACC IQ Generator/Data IMPACC AEM II IMPACC Digitrip II IMPACC Digitrip 3000 IMPACC IQ Analyzer
	GE Power	<ul style="list-style-type: none"> Epic MicroVersaTrip Power Leader Meter Power Leader MVT PM Power Leader MVT PM 'C' Power Leader MVT PM 'D' Power Leader Spectra MVT 	<ul style="list-style-type: none"> Power Leader EPM EPM3710 Power Meter EPM3720 Power Meter EPM5300P Power Meter EPM7300 Power Meter EPM9650Q Power Meter Multilin Power Quality Meter (PQM)
	Power Measurement Ltd.	<ul style="list-style-type: none"> 3300 Power Meter 3710 Power Meter 	<ul style="list-style-type: none"> 3720 Power Meter 7300 Power Meter
	Instron-SATEC-Systems	<ul style="list-style-type: none"> PM170E Power Meter PM270 Power Meter PM290 Power Meter 	<ul style="list-style-type: none"> PM290HD Powermeter PM295 Powermeter RPM090 Powermeter
	Siemens	<ul style="list-style-type: none"> 4300 Power Meter 4700 Power Meter 9300 Power Meter 	<ul style="list-style-type: none"> 9500 Power Meter 9600 Power Meter Static Trip III/CPNX
	Square D Corporation	<ul style="list-style-type: none"> POWERLOGIC CM-100 Circuit Monitor POWERLOGIC Class 3020 Energy Meter POWERLOGIC Class 3020 PM-650 Power Meter 	<ul style="list-style-type: none"> POWERLOGIC CM-2000 Circuit Monitor POWERLOGIC CM-3000 Circuit Monitor POWERLOGIC CM-4000 Circuit Monitor
Power Distribution/ Conditioning Units	Liebert Corporation	<ul style="list-style-type: none"> DCLAN Power Conditioning Unit <p>SiteLink:</p> <ul style="list-style-type: none"> Datawave regulator with Power Monitoring Panel, and Voltage Current Frequency Monitoring Panel PDU Static Transfer Switch Single Output Breaker 	<p>SiteLink:</p> <ul style="list-style-type: none"> Precision Power Center with Power Monitoring Panel and Voltage Current Frequency Monitoring Panel MPU4000 with Voltage Current Frequency Monitoring Panel

Table 2: Vendor Integration (by Application) (Part 7 of 8)

Application	Vendor	Equipment	
	United Power	<ul style="list-style-type: none"> Focus Interface Module (FIM) 	
Programmable Logic Controllers	ALLEN-BRADLEY	<ul style="list-style-type: none"> PLC/3 (custom) PLC/5 (custom) 	<ul style="list-style-type: none"> SLC 5/03, 5/04, 5/05 (custom) Micrologix 1500 (custom) ControlLogix 5000 (custom)
	GE Fanuc	<ul style="list-style-type: none"> FANUC 9030 PLC 	<ul style="list-style-type: none"> FANUC 9070 PLC
	Johnson Yokogawa	<ul style="list-style-type: none"> YS100 Series Multi-Function and Programmable Controllers 	
	Siemens	<ul style="list-style-type: none"> SIMATIC S5 Controller Advanced Motor Master System 	<ul style="list-style-type: none"> Access I/O Addressable Relay
Pump Controllers	Unosource Controls	<ul style="list-style-type: none"> UC8200 Multivariable Pump Controller 	<ul style="list-style-type: none"> IT820 Universal Operator Interface
Refrigeration Compressors	Vilter Manufacturing Company	<ul style="list-style-type: none"> Reciprocating Compressor Twin Screw Compressor 	<ul style="list-style-type: none"> Single Screw Compressor Evaporative Condenser
Security Controllers	Northern Computers Inc.	<ul style="list-style-type: none"> Northern N750 	
Tank Farm Monitoring	Veeder-Root Industries Inc.	<ul style="list-style-type: none"> TLS-350 	
Terminal Unit Controllers	ASI	<ul style="list-style-type: none"> ASIC/1-4015 VAV, Dual Duct, and Fan Powered Controller ASIC/1-7210 Air-to-Air Heat Pump Controller ASIC/1-7510 Single Zone AHU Controller ASIC/1-7610 Multi-Stage AHU Controller 	<ul style="list-style-type: none"> ASIC/1-8010 VAV, Dual Duct, and Fan Powered Controller ASIC/1-8015 VAV, Dual Duct, and Fan Powered Controller ASIC/1-8710 VAV, Dual Duct, and Fan Powered Controller
	Johnson Controls DSC-1000	<ul style="list-style-type: none"> C210A-1 Digital VAV Terminal Unit Controller 	<ul style="list-style-type: none"> C260A-1 Water Source Heat Pump Controller
	McQuay International	<ul style="list-style-type: none"> Unit Ventilator Series 100 Water Source Heat Pump 	<ul style="list-style-type: none"> Series 100 Large Water Source Heat Pump
	Mestek Technologies, Inc	<ul style="list-style-type: none"> 7210 Air-to-Air Heat Pump Controller 7510 Single Zone Unit Ventilator Controller 	<ul style="list-style-type: none"> 7610 Multi-Stage Hydronic Heat Ventilator
	TITUS	<ul style="list-style-type: none"> 4015 VAV, Dual Duct, and Fan Powered Controller 8010 VAV, Dual Duct, and Fan Powered Controller 	<ul style="list-style-type: none"> 8015 VAV, Dual Duct, and Fan Powered Controller 8710 VAV, Dual Duct, and Fan Powered Controller
	Trane	<ul style="list-style-type: none"> Unit Ventilator 	

Table 2: Vendor Integration (by Application) (Part 8 of 8)

Application	Vendor	Equipment	
Uninterruptable Power Supply	American Power Conversion (APC)	<ul style="list-style-type: none"> • Symmetra Power Array UPS • Silcon DP300 E Series UPS 	
	Best Power Technologies	<ul style="list-style-type: none"> • FERRUPS UPS • UPS 	<ul style="list-style-type: none"> • Fortress UPS
	Powerware Corporation	<ul style="list-style-type: none"> • Powerware UPS with Binary Computer Mode (BCM) Protocol Support 	
	Liebert Corporation	<ul style="list-style-type: none"> • DCLAN UPS Series 300 and 600 • SiteLink: • AP301/302 Single Module UPS • Early Series 300/500/600 Single Module UPS • Early Series 500/600 System Control Cabinet • NPower IMP UPS 	<ul style="list-style-type: none"> • SiteLink: • Early Series 500/600 Multi-Module UPS • Series 600 Single Module UPS with Extended Protocol • Series 600 Multi-Module UPS with Extended Protocol • Series 600 System Control Cabinet with Extended Protocol
	MGE UPS Systems	<ul style="list-style-type: none"> • Comet – EPS 3000 	<ul style="list-style-type: none"> • Galaxy – EPS 6000



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