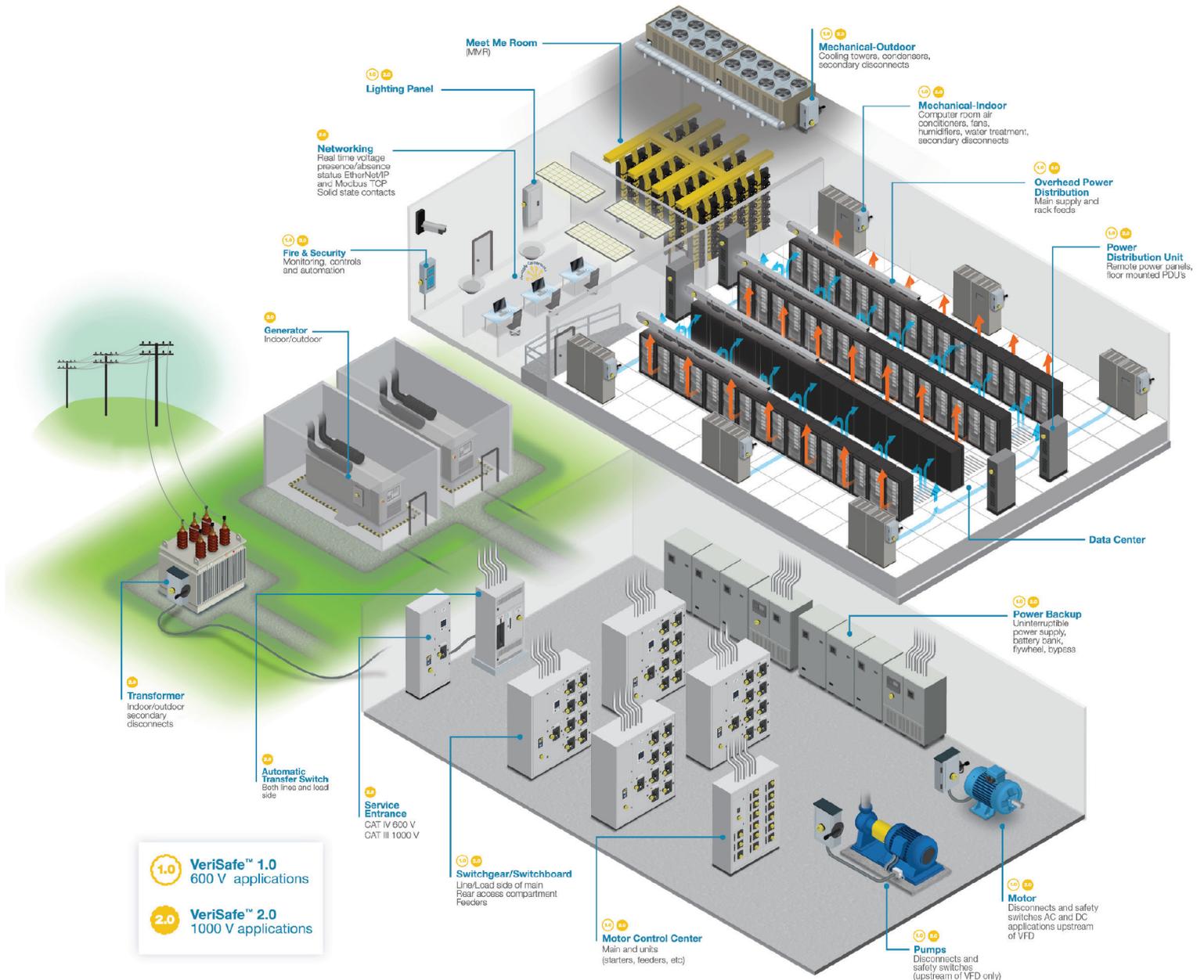# Which Technology Should I Use?

The next-generation VeriSafe Absence of Voltage Tester (AVT) has an enhanced set of features and will be compatible with additional applications. The 2.0 AVT uses new technology for the connectivity test and voltage threshold measurement, making it more robust for many applications.

Feature	VeriSafe **1.0 AVT**	VeriSafe **2.0 AVT**
MAXIMUM VOLTAGE (NOMINAL)	600 VAC (50/60Hz), 600 VDC	**1000 VAC (50/60Hz), 1000 VDC**
OVERVOLTAGE CATEGORY		
CAT III	600 V	**1000 V**
CAT IV	300 V	**600 V**
VOLTAGE PRESENCE INDICATORS (Red LEDs)	AC only	**AC & DC**
NETWORK COMPATIBLE	No	**YES**
POWER FOR AVT TEST (Yellow and Green LEDs)	3.6 V Lithium Battery	**3.6 V Lithium Battery 12-24 VDC PoE***
DEDICATED DC/SINGLE-PHASE SKUS	No	**YES**
OPERATING TEMPERATURE	-25–60°C	**-25–60°C**
INDICATOR MODULE OPTIONS		
Battery Powered (IP 66, 67, 69; Type 1, 12, 13, 4, 4X)	✓	✓
Battery Free (IP 66, 67, 69K; Type 1, 12, 13, 4, 4X)		✓
MAXIMUM NUMBER OF INDICATOR MODULES	1	**2**
HAZARDOUS LOCATIONS		
Class I Division 2 (gas)		✓
Class II Division 2 (dust)		✓
Class I, Zone 2, Zone 22 (US and CAN)		✓
OUTPUTS		
Absence of Voltage (Green LED – SIL 3)	✓	✓
Voltage Presence (Red LEDs)		✓
VOLTAGE REPORTING		**Measured Values***

* Requires 2.0 AVT Network Module (VS2-NET)

PANDUIT®

Where can I use AVTs?

VeriSafe AVTs can be used in even more applications across your facility, from power distribution to automation and motor control. Protect your people, your equipment, and processes with VeriSafe AVTs.

Meet Me Room (MMR)

Lighting Panel

Networking
Real time voltage presence/absence status EtherNet/IP and Modbus TCP Solid state contacts

Fire & Security
Monitoring, controls and automation

Generator
Indoor/outdoor

Transformer
Indoor/outdoor secondary disconnects

Automatic Transfer Switch
Both lines and load side

Service Entrance
CAT IV 600 V
CAT III 1000 V

Switchgear/Switchboard
Line/Load side of main
Rear access compartment
Feeders

Motor Control Center
Main and units
(starters, feeders, etc)

Mechanical-Outdoor
Cooling towers, condensers, secondary disconnects

Mechanical-Indoor
Computer room air conditioners, fans, humidifiers, water treatment, secondary disconnects

Overhead Power Distribution
Main supply and rack feeds

Power Distribution Unit
Remote power panels, floor mounted PDU's

Data Center

Power Backup
Uninterruptible power supply, battery bank, flywheel, bypass

Motor
Disconnects and safety switches AC and DC applications upstream of VFD

Pumps
Disconnects and safety switches (upstream of VFD only)

1.0 VeriSafe™ 1.0
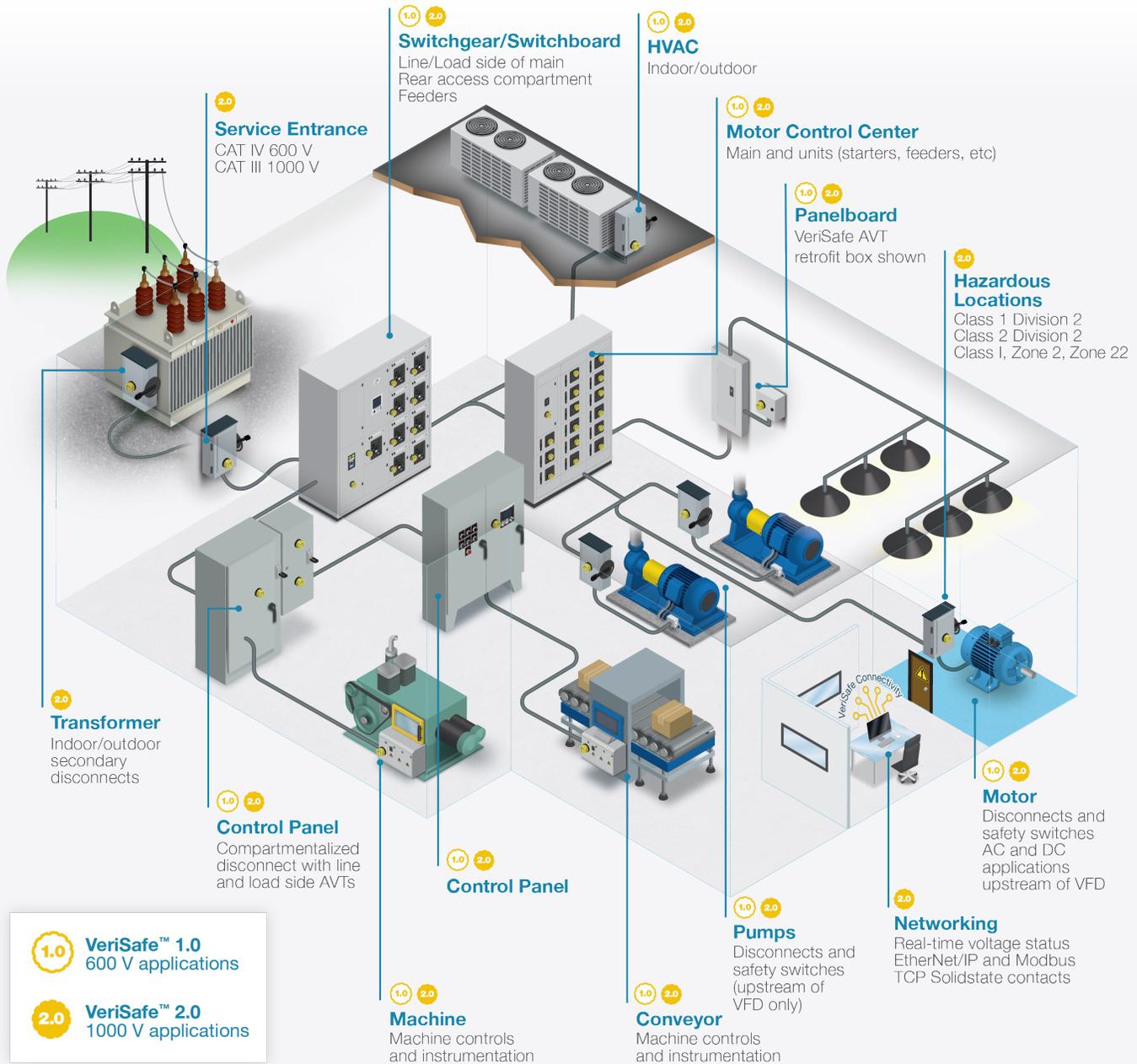600 V applications

2.0 VeriSafe™ 2.0
1000 V applications

Where can I use AVTs?

VeriSafe AVTs can be used in even more applications across your facility, from power distribution to automation and motor control. Protect your people, your equipment, and processes with VeriSafe AVTs.

Switchgear/Switchboard (1.0 2.0)
Line/Load side of main
Rear access compartment
Feeders

HVAC (1.0 2.0)
Indoor/outdoor

Service Entrance (2.0)
CAT IV 600 V
CAT III 1000 V

Motor Control Center (1.0 2.0)
Main and units (starters, feeders, etc)

Panelboard (1.0 2.0)
VeriSafe AVT
retrofit box shown

Hazardous Locations (2.0)
Class 1 Division 2
Class 2 Division 2
Class I, Zone 2, Zone 22

Transformer (2.0)
Indoor/outdoor
secondary
disconnects

Control Panel (1.0 2.0)
Compartmentalized
disconnect with line
and load side AVTs

Control Panel (1.0 2.0)

Motor (1.0 2.0)
Disconnects and
safety switches
AC and DC
applications
upstream of VFD

Pumps (1.0 2.0)
Disconnects and
safety switches
(upstream of
VFD only)

Networking (2.0)
Real-time voltage status
EtherNet/IP and Modbus
TCP Solidstate contacts

Machine (1.0 2.0)
Machine controls
and instrumentation

Conveyor (1.0 2.0)
Machine controls
and instrumentation

(1.0) **VeriSafe™ 1.0**
600 V applications

(2.0) **VeriSafe™ 2.0**
1000 V applications

VeriSafe Connectivity

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