



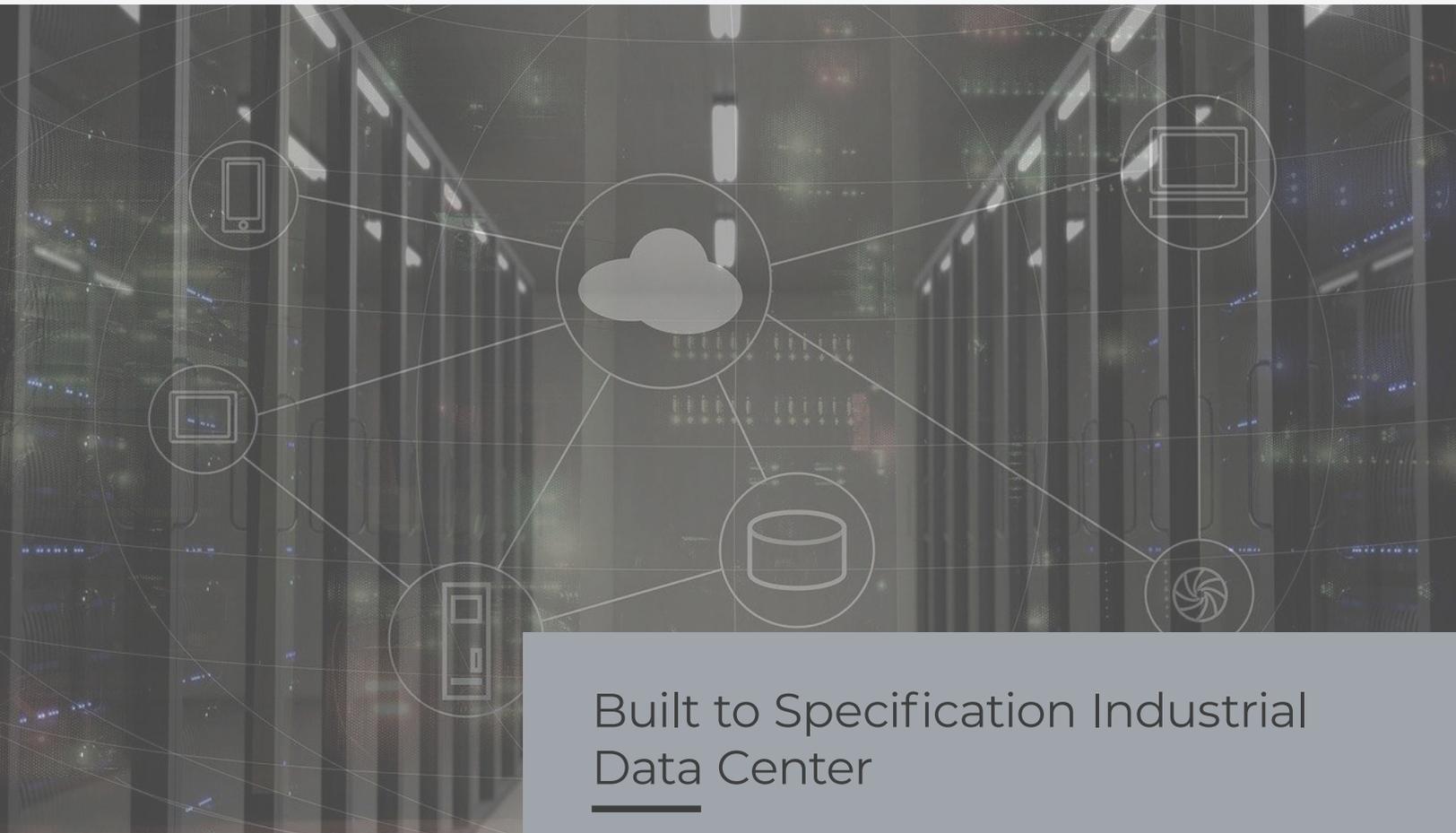
JMP Solutions

Industrial Technology Partner to the Fortune 1000



Prebuilt Industrial Data Center IT

Fully Configured, Plug & Play Customized IDC



Built to Specification Industrial Data Center

A data center is a centralized location that houses core IT and computing infrastructure. JMP Prebuilt spec for virtualized industrial datacenter environment to be leveraged to consolidate and virtualize HMIs, servers and other critical compute devices.



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Modern data centers have drastically changed in just a short time. Aging, unsupported technology is typically in place. Several critical HMIs physically deployed on plant floor. No backups or redundancy in place for critical applications or servers, customer deploying or replacing PLCs, physical server hardware and HMI servers/clients. ThinManager ROI tool can help support justification of this type of deployment. For customers who have standards for datacenter infrastructure, JMP can work with customer IT team to design and deploy a solution following customer hardware and software standards, ensure proper segmentation and separation requirements are met.



SINGLE INDUSTRIAL HOST

Cost effective solution for smaller environments that do not have clean data center space, budget for larger levels, or scalability requirements.

- DINrail mount unit
- Industrialized hardware
- No moving parts, VMware capable
- Redundant Ethernet
- SSD Hard disks



VIRTUALIZED CLUSTER

Clustered server infrastructure capable of scalability with growth, full redundant connectivity and ability to experience downtime and maintenance with no impact to running applications.

- Multiple clustered VMware Host servers
- vCenter installed and managed (vSphere Essentials Plus Kit)
- HA in event of hardware failure (restart of VMs)



HARDWARE REDUNDANT CLUSTER

VMware capable environment with hardware level redundancy between memory CPU and disk to ensure no outage during hardware failure.

- Single install of vSphere
- Hardware lock-stepping between two physical servers
- zTC Edge version, all SSD with smaller capacities for lightweight install
- zTC is also industrialized hardware

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