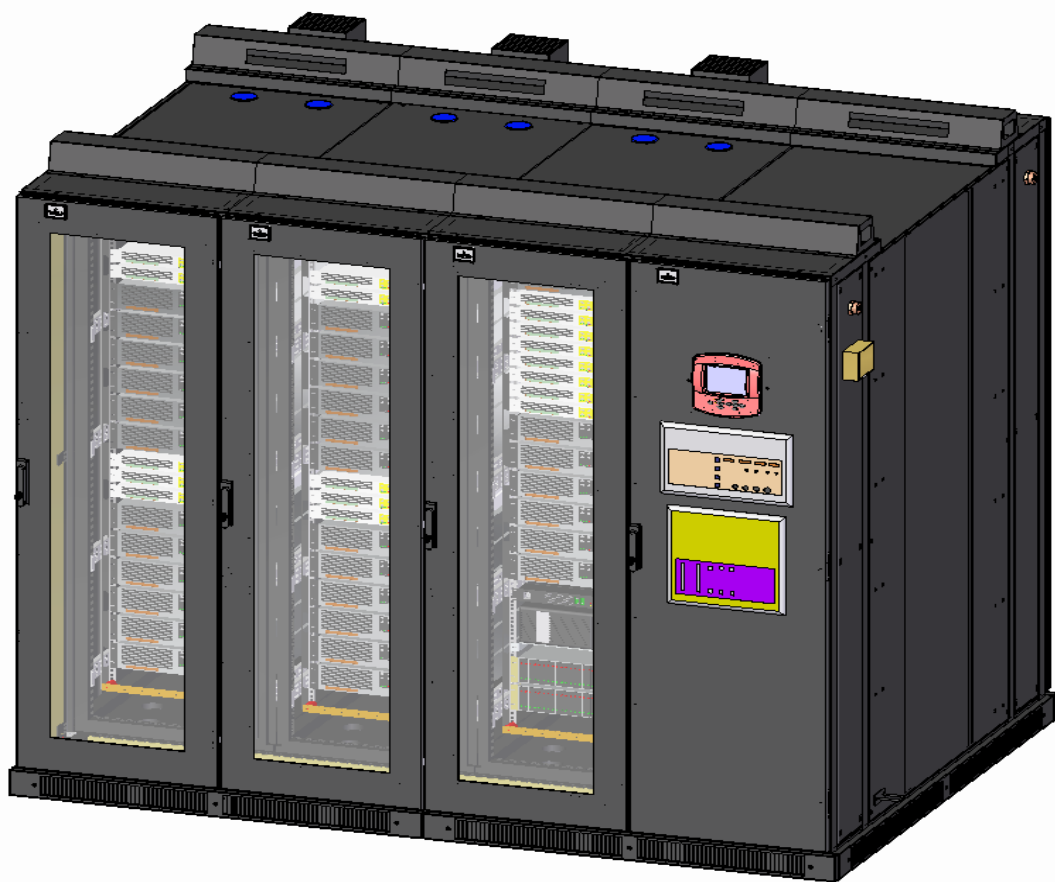


*SmartRow*TM

Intelligent, Integrated Infrastructure in a Self-Contained Line-Up



Deploy a fully configured Data Center in Just Weeks

Efficiency. Capacity. Availability. Control.

You need them - and now you can have them all. Another first from Emerson Network Power.

Conventional data center designs may require physical infrastructure that is too costly or slow to implement for the needs of some IT and data center managers.

Adding new capacity often means major upgrades to infrastructure - new power and cooling systems, raised floors and fire suppression. For new IT spaces, remote locations and backup sites, both high cost and slow deployment can hinder projects. Even the smallest data centers may be prohibitively expensive and take many months to deploy.

Faced with these challenges, IT and data center managers are seeking infrastructure solutions for smaller spaces that provide:

- Fully integrated, standalone systems that don't require expensive room upgrades
- Simplicity in design and deployment so systems can be up and running quickly and easily expanded as needed
- Higher operational, space and energy efficiencies
- Optimal systems availability to ensure continuity of new and future IT equipment
- Flexibility and a clear growth path for capacity growth

Introducing The SmartRow™ Solution

The SmartRow solution is an intelligent integrated infrastructure that can be implemented in just weeks. It allows you to easily deploy and effectively manage an integrated IT infrastructure without being limited by building systems, such as fire suppression and cooling.

It is available in three- to six-rack configurations for up to 40kW of total capacity, allowing you the flexibility to start small and expand over time.

This space-saving and cost-effective solution combines the industry's finest power, precision cooling and infrastructure management technologies in a sealed environment - meaning you can place it in virtually any conditioned space.

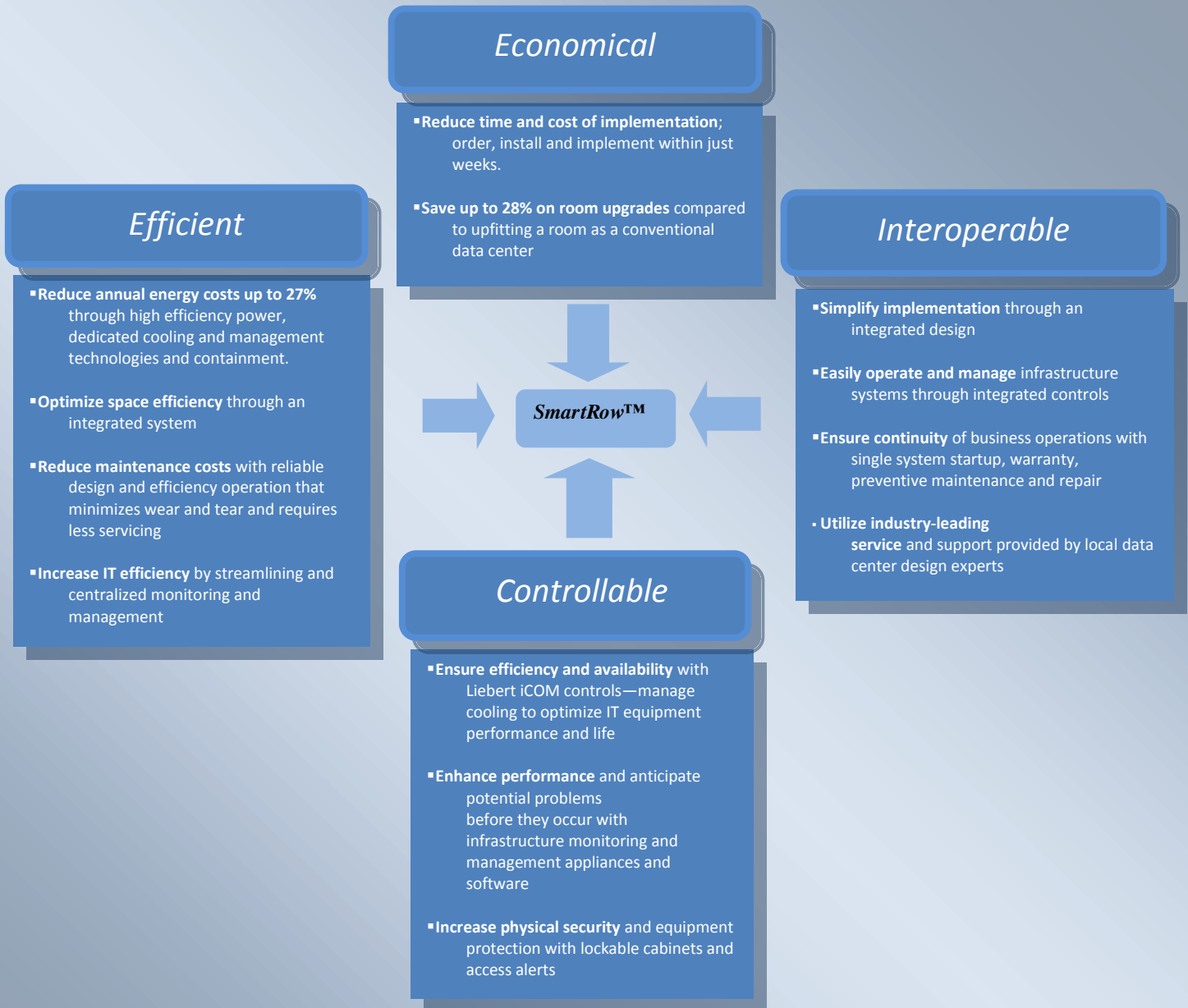
Each SmartRow offering integrates industry best practices in data center design and operations including:

- Hot air and cold air separation
- Cold air & Hot air containment
- High-efficiency dedicated cooling
- Space-savings, small-footprint
- Modularity for flexibility and easier expansion
- Integrated monitoring and control to optimize
- Efficiency in planning and management
- Unique local service for design audits, configuration
- Support, installation support, maintenance and repair
- High availability and high efficiency UPS
- Integrated fire suppression



The Smart Solutions family helps you cost-effectively achieve and manage higher levels of density, availability and efficiency.

What makes the SmartRow offering Unique?



Where to use the SmartRow infrastructure Solution

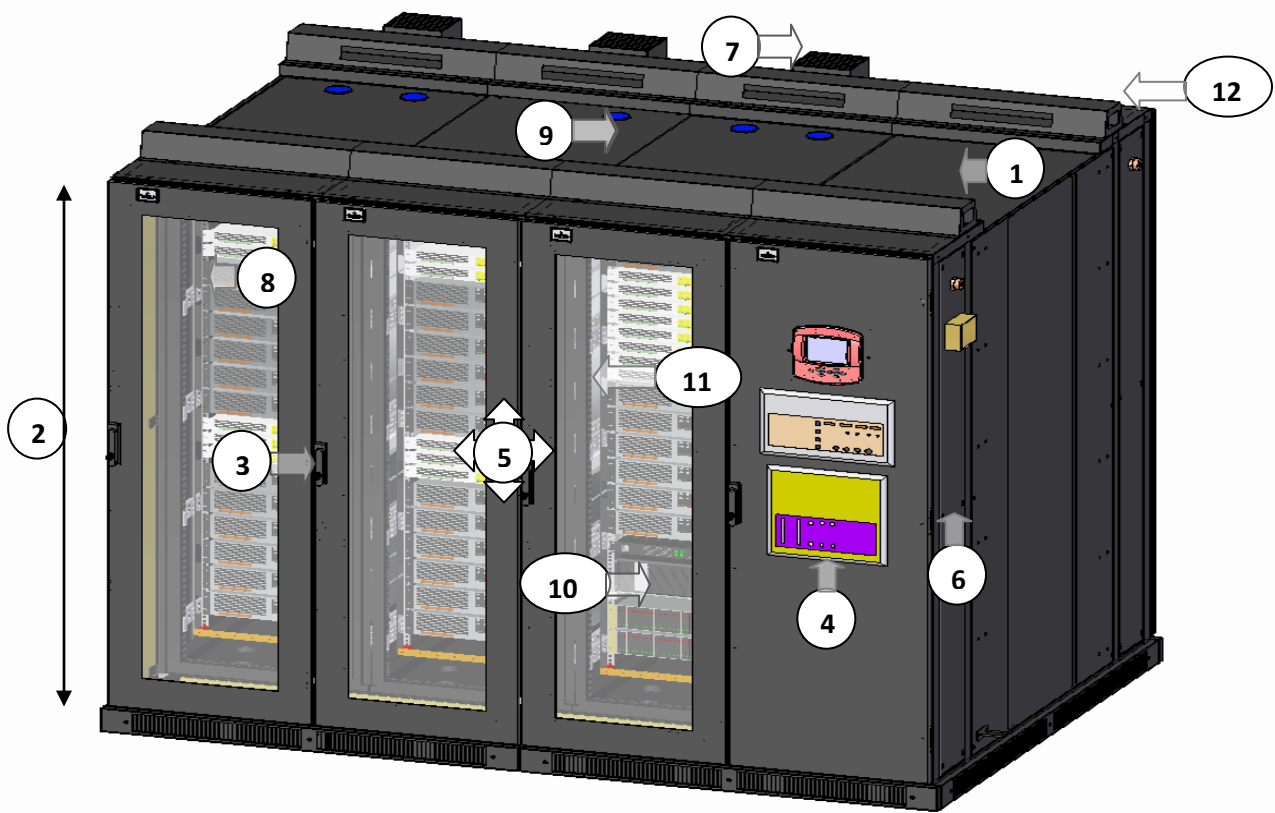
A Simple solution designed to expand IT capacity when you don't have the luxury of more data center space.

The SmartRow solution is ideally suited for environments where dedicated IT room improvements are not practical or cost effective. It is the perfect solution for spaces not designed to be IT environments. And it can be placed unobtrusively into work spaces.

No fire suppression system upgrades to the room are needed since fire suppression is integrated into the solution. No dedicated room cooling is necessary, and it can work in a non-raised floor environment.

This space-saving solution integrates the industry's finest and most efficient infrastructure technologies all within a single row. It is well suited to serve as a primary data center or a separate disaster recovery solution.

- 1 High-efficiency dedicated cooling and environmental controls** – Liebert CRV dedicated cooling system with Liebert iCOM controls and Patented digital scroll technology to match cooling to rack load
- 2 Room-neutral design** - allows this system to be placed virtually anywhere, even in Environments where people are working
- 3 Secure Magnetic (optional)** - Lockable cabinets and access-triggered alarms work together to put you in control of your environment
- 4 Integrated fire suppression** - saves over room-based systems by Avoiding room upgrades
- 5 Simple, fully integrated infrastructure** - racks, dedicated cooling, management, fire suppression, cable management and power distribution are designed to work together, saving you time and money on installation and operation
- 6 Contained airflow** - provide greater cooling efficiency
- 7 Integrated back-up fans (optional)** - operated by UPS in case of outage
- 8 Comprehensive, remote data center infrastructure management** - Appliances and software provide comprehensive, remote monitoring and control
- 9 Flexible platform for easy configuration** – HD series racks accommodate any type of IT or networking equipment, and maximize space utilization
- 10 Reliable on-line uninterruptible power** - Liebert ITA UPS with the industry's smallest footprint
- 11 Flexible rack PDUs** — Liebert MPX adaptive rack PDU or Liebert MPH managed rack PDU provide flexibility and power control at the receptacle level, and faster implementation of IT equipment
- 12 Cabling duct provision** on top of Solution for cable management.



Simple, fully integrated infrastructure – Racks, dedicated cooling management, fire suppression, cable management and power distribution are designed to work together, saving your time and money on installation and operation.

Efficient & Economical



Highly favorable CAPEX

Save up to 28% on room upgrades compared to up fitting a room using conventional data center design

Highly favorable OPEX

Reduced energy costs from more efficient cooling and server performance – up to 27% savings through high-efficiency power, cooling and management technologies and containment

Lower preventative maintenance costs than a traditional data center – one data center reduced expenditures by as much as 33%

By reducing the cost of energy, space, service and IT management, the SmartRow solution makes your infrastructure decisions smarter and easier.

	<i>Conventional Data Center Design</i>	<i>SmartRow Design</i>	<i>Cost Savings</i>	<i>% SmartRow Advantage</i>
<i>Room Costs</i>	\$ 60,000	43,000	\$ 17,000	28%
<i>Infrastructure Costs</i>	\$ 105,000	\$ 109,000	- \$ 4,000	-3%
<i>Total Capital Expense</i>	\$ 165,000	\$ 152,000	\$ 13,000	8%
<i>Energy Consumption</i>	\$ 8,700	\$ 6,400	\$ 2,300	27%
<i>5 Year OpEx</i>	\$ 44,000	\$ 32,000	\$ 12,000	27%
<i>5 Year TCO</i>	\$ 209,000	\$ 184,000	\$ 25,500	12%