ITRENEW

INTRODUCING SESAME BY ITRENEW

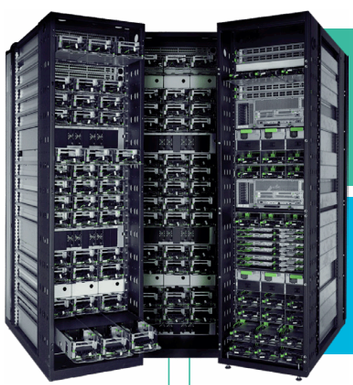
FROM OUT-OF-REACH TO ON-DEMAND

Modernize your data center architecture to maximize performance, value and sustainability

Go faster and grow faster with the rack-scale systems that give you more for your IT dollars, shorten time-to-value, and make it easy to scale on demand. Sesame by ITRenew's flexible, building-block approach puts the hyperscale hardware used by the largest cloud service companies in the world in your hands, pre-configured for your most demanding workloads, tuned to your specific requirements and ready to plug-and-play in as little as two weeks.

SESAME BY ITRENEW

We're taking a new, circular economic approach to turnkey IT infrastructure that drives performance and scalability up, costs and CO_2 impact down. Here's how it works:



NOTHING TO OFFSET

- ✓ Sustainably Sourced
- ✓ Carbon Zero by Design
- ✓ 100% Circular

NOTHING TO SET UP

- ✓ Integrated/Pre-configured
- ✓ Plug-and-Play
- ✓ Built On Open Architecture

COMMIT TO CARBON ZERO MANUFACTURING

The greatest way to reduce carbon impact is to not produce it in the first place. With Sesame, ITRenew's circular economic approach **designs eWaste and CO_2 out of new IT hardware systems** by sourcing materials that are already in the economy vs. pulling from the ground or firing up factories.

START WITH THE BEST OF THE BEST

ITRenew exclusively decommissions hardware from the world's leading hyperscalers. Using **the latest tech, built on open compute principles** – put to the test under the most demanding conditions – Sesame systems deliver superior performance, durability and reliability.

OPEN Compute Project®

BRING THE POWER OF HYPERSCALE TO ALL

ITRenew **transforms high-performance servers from the world's largest cloud companies into integrated, rack-scale compute and storage systems** any data center operator can use. This brings elite hyperscale tech to the next tier of service providers at a 50%+ TCO advantage - fully warrantied and supported, of course. Think of it as the certified, pre-owned BMW of IT.

MAKE OPEN ARCHITECTURE ACCESSIBLE & AFFORDABLE

Sesame is the **fastest, easiest, most cost-effective way to get started and scale with open technology.** Built on the best shared industry innovations and design principles, open hardware significantly improves operational efficiency, footprint density and energy consumption, to deliver more for every IT dollar.

ENGINEER EVERYTHING TO PLUG-AND-PLAY

We **design, pre-configure and tune Sesame for the demands of AI/ML, IoT, microservices, edge computing and much more.** From loaded racks, to ones with room to scale, all systems arrive in as little as 2 weeks. Fully assembled and connected, they're ready to go from crate to operational in a matter of minutes.

SUSTAINABLE IS ATTAINABLE

75% 3/4 of carbon tied to IT is new manufacturing

52M TONNES Predicted amount of global eWaste in 2021

The Sesame model – enabled by creating 2nd lives for best-in-class, hyperscaler-designed, built on open architecture tech – represents outsized impact potential that is a crucial element in getting the industry on a more sustainable path.

THE ITRENEW ADVANTAGE

SUSTAINABLE | BETTER COMPUTE & STORAGE ECONOMICS | BUILT ON OPEN ARCHITECTURE

> "Sustainable data center models, implemented in the right way, put an end to the days of compromising performance for value. In addition to gaining a competitive edge from using the same advanced tech as the world's leading cloud companies, the circular approach reduces complexity and delivers significantly better compute and storage economics."
>
> **Ali Fenn,** President, ITRenew, Inc.

ITRenew is bringing the financial and environmental benefits of circular economics to the data center. Sesame makes it easy to stay ahead of growing data and workload demands with systems that offer more choice, make IT dollars work harder, and aren't subject to the supply chain issues common to legacy solutions. We're talking on-demand deployment of cost-effective, flexible, high-performance infrastructure that scales efficiently and accelerates growth.

YOUR CHOICE OF CONFIGURATIONS, TUNED TO YOUR NEEDS

Using a modular building block approach, ITRenew can create highly **specialized configurations to suit any data center deployment**. Guided by decades of experience, Sesame systems are built and tuned for what customers need their infrastructure to do. From cloud-native to AI/ML, IoT, microservices, edge computing and more, **Sesame systems can handle any combination of demanding workloads at any capacity**. Here are a few examples:

OPTIMIZED FOR KUBERNETES

Open-source, cloud-native orchestration via Kubernetes has become the go-to approach for automating application development, operations and management. Sesame provides the ease of scaling and the ability to cluster using flexible software infrastructure needed for Kubernetes orchestration. Production-ready and capable of being tuned for a variety of container or VM solutions, with cross-rack switching interconnecting up to 20 racks and 750+ nodes in a single cluster or network domain.

OPTIMIZED FOR AI/ML

Power and flexibility are the key to managing massive data volumes in demanding learning environments. Sesame's scalable building blocks deliver both, providing high bandwidth, low latency performance, iterative processing to shorten time-to-solution, and the ability to respond to algorithms and adjust data at scale. A cost-effective option for accelerated computing and applications, code-trained for AI/ML, Sesame can put the power of large-scale infrastructure into the hands of even the smallest teams.

OPTIMIZED FOR CONVERGED

The efficient, easy to use Hyper-Converged Infrastructure (HCI) model is favored by enterprises looking for an alternative to siloed approaches. Sesame optimizes standardized nodes to provide a converged infrastructure layer that makes scaling compute, storage and networking in lockstep – and deploying apps – easier than ever. Configurable clusters that move and scale as needs change make updating code, applications and data structures straightforward for new or for legacy applications.

OPTIMIZED FOR THE EDGE

The flexibility of Sesame systems makes them ideal for deployment in distributed environments. From mobile mini-racks to edge building blocks, these compact solutions are designed for modular, containerized, micro and other nontraditional data center form factors. With hyperscale power at the edge, developers can easily build localized clusters on systems that go where they go, and plug into a standard 100v/220v outlet. Or test and validate software on production nodes prior to deployment.

THE CIRCULAR IT HARDWARE INDUSTRY OPPORTUNITY

for every

5M

servers decommissioned

▶

ITRenew circularity model avoids

3M

tons of new CO_2e production

=

cutting annual emissions from

670K

cars on the road

NET CO_2e SAVINGS **24%+** **POSITIVE SUSTAINABILITY IMPACT FROM CIRCULAR SOLUTIONS**