SynCells

NanoGrid

SynGrid®

Hyper-Converged EnergyTech Infrastructure

- Highly Scalable (Up+Down) Microgrid Alternative
- CHP/Cogen
- Backup Power, Generator Alternative
- Resiliency
- UPS Alternative
- High-density, liquid cooled IT Systems
- Lower Emissions, Carbon Footprint (Net Zero Option)
- Plug & Play Simplicity
- Toolless, Swappable Cells, Simplified Maintenance

Hyper-Converged EnergyTech Services

- Unified Building App (book, pay for services, control your environment)
- Converged Networked Infrastructure
- Property Management Systems
- Internet + Telephony Services
- Managed Systems, Cybersecurity, Monitoring + Support

Procurement

- Traditional Capital + Support Model (max benefits for owner)
- Infrastructure as a Service, pay $/kWh or similar (min. upfront cost)

Procurement

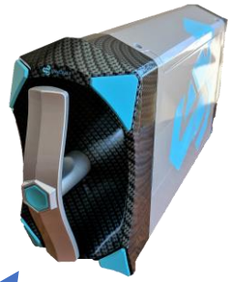
- SynGrid as a Service, pay per user or device (min. upfront cost)

Smart Building as a Service

- Lowest TCO
- Maximum Support, Performance, Resiliency, Cybersecurity

SYNCELLS

NanoGrid



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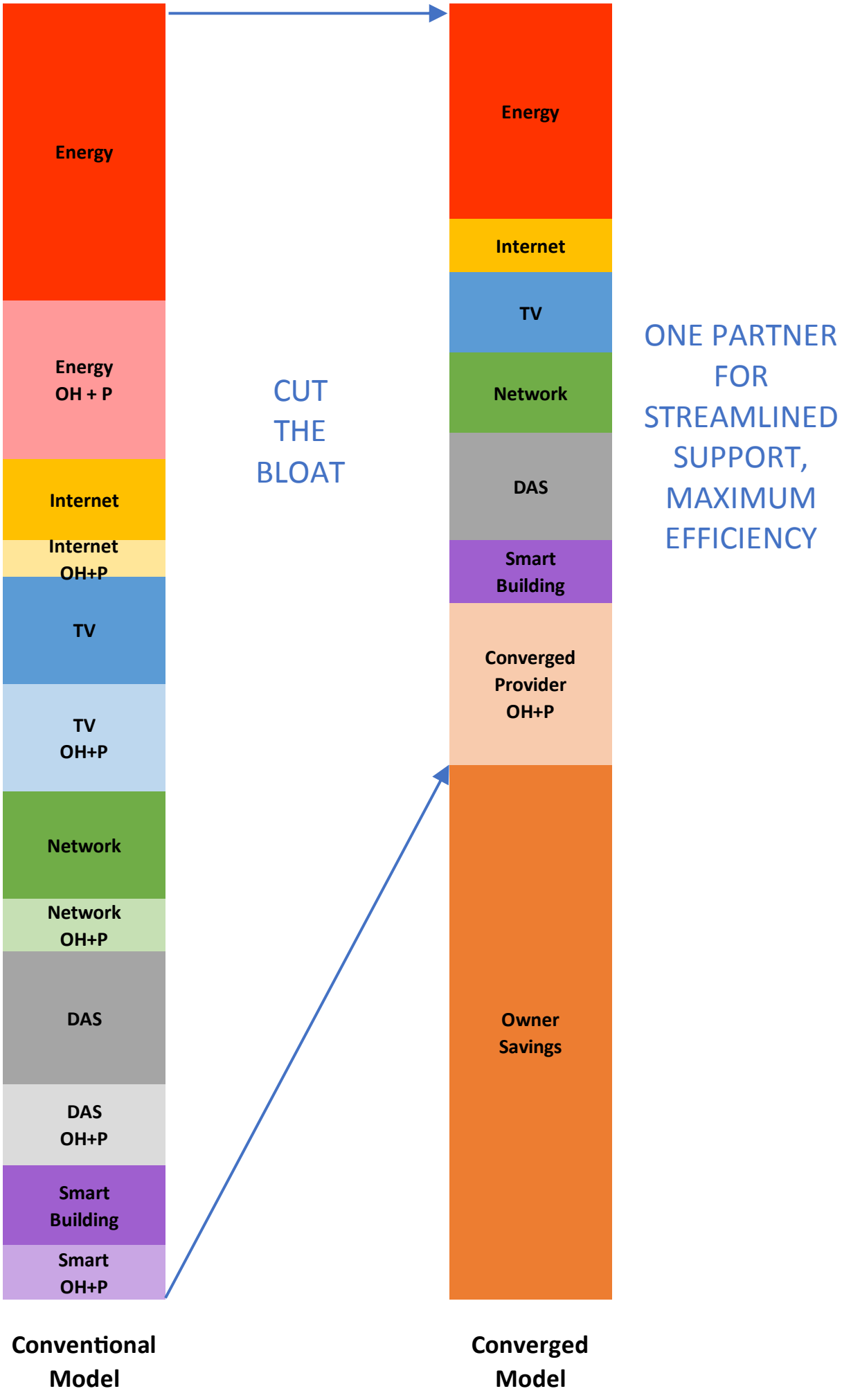
Energy
Energy OH + P
Internet
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TV
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Network
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DAS
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Smart Building
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Conventional Model
CUT THE BLOAT
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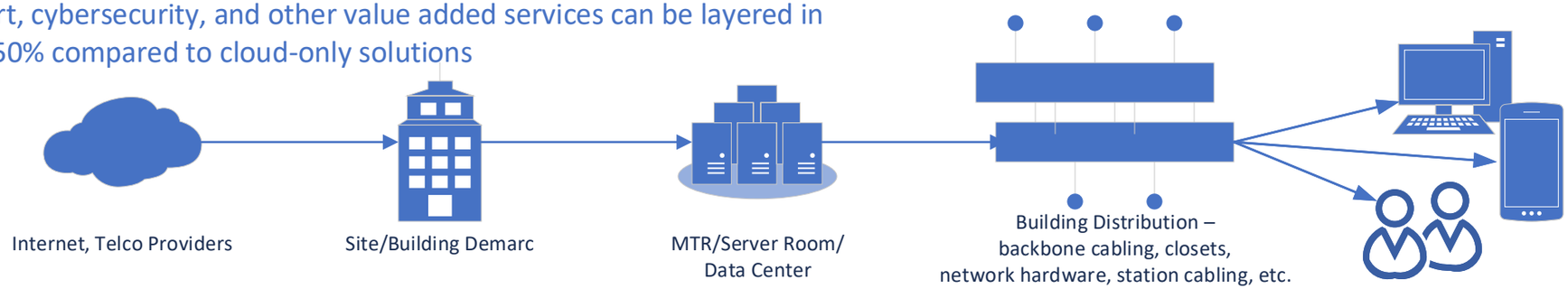
Converged Provider OH+P
Owner Savings
Converged Model
ONE PARTNER FOR STREAMLINED SUPPORT, MAXIMUM EFFICIENCY

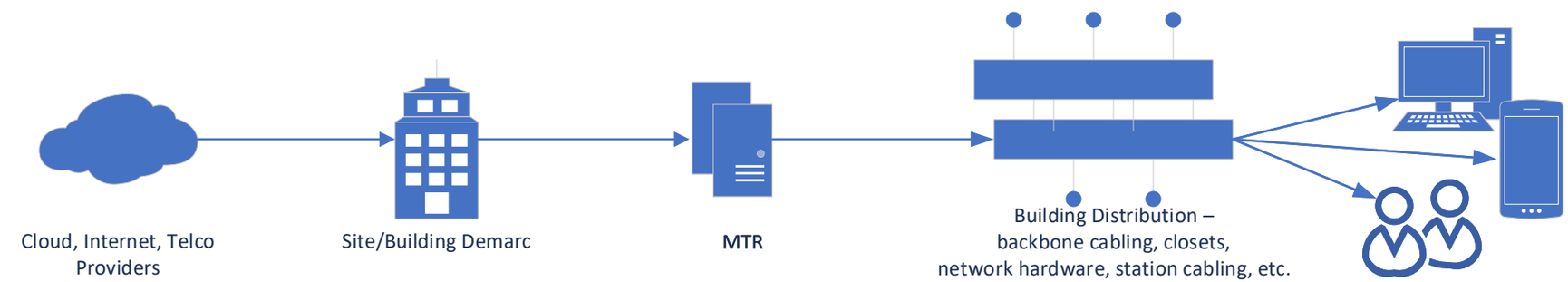
Why should cloud benefits stop at the cloud?

- SynCells' SynGrid service cuts out all the client and tenant infrastructure and service responsibilities between cloud service and end user
- Rationalize infrastructure, services, service providers, responsibilities => SynGrid offers one partner and service agreement
- User support, cybersecurity, and other value added services can be layered in
- Save up to 50% compared to cloud-only solutions

Traditional IT Infrastructure Model



Cloud-Era IT Infrastructure Model



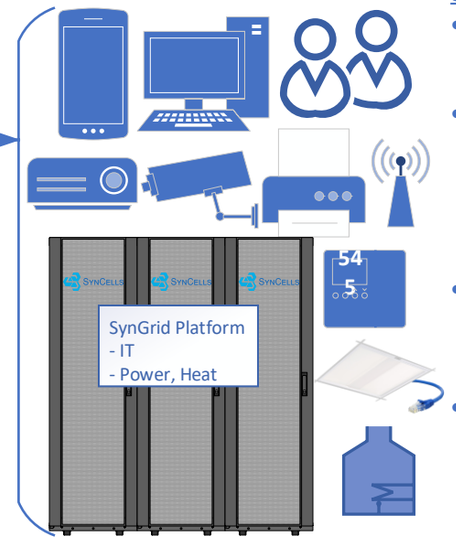
Notes:

- Cloud services reduced need for on-premise servers, expertise, and support, but…
- Significant network infrastructure, services, and support are still required, incurring capital and operational expense.

SynCells Model

SynCells Provides:

- Infrastructure/Platform as a Service
- IT as a Service and/or Hybrid IT Services, Support – fully managed, monitored solution (IAM, SIEM, SASE, RMM, etc.)
- Provide resilient connectivity solutions from cloud providers all the way through to the user – no need for tenants or clients to design/install/manage cabling, infrastructure, IT hardware, services, etc.
- Provide Edge Compute/Cloud services hosted on-premise with performance, security and data jurisdiction/sovereignty benefits, but delivered as a Service – best of both worlds for AI, HPC, real-time control and autonomous systems, analytics, content delivery, etc.



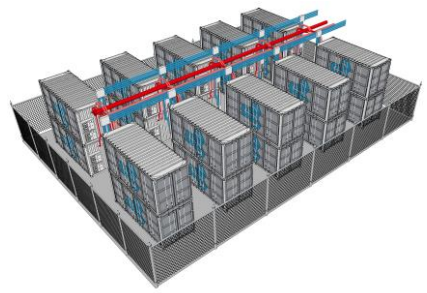
Services Available:

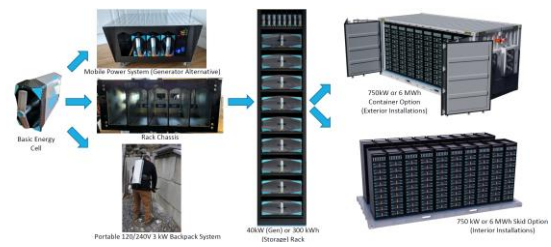
- Wired, wireless (Wi-Fi, IoT, 5G, CBRS), internet, phone, etc. connectivity.
- Hosting of physical security (access control, video surveillance, etc.), Building/ Energy Management Systems (BMS/EMS), Facility + Property Management, LEED/WELL, etc.
- Hybrid smart-building platform for touchless, interactive, smart systems, environmental control, energy management & reporting.
- Couple with SynCells energy modules for lower cost and carbon footprint. Highest energy density solution for POE LED lighting, workstations, etc.

SynCells

Platform

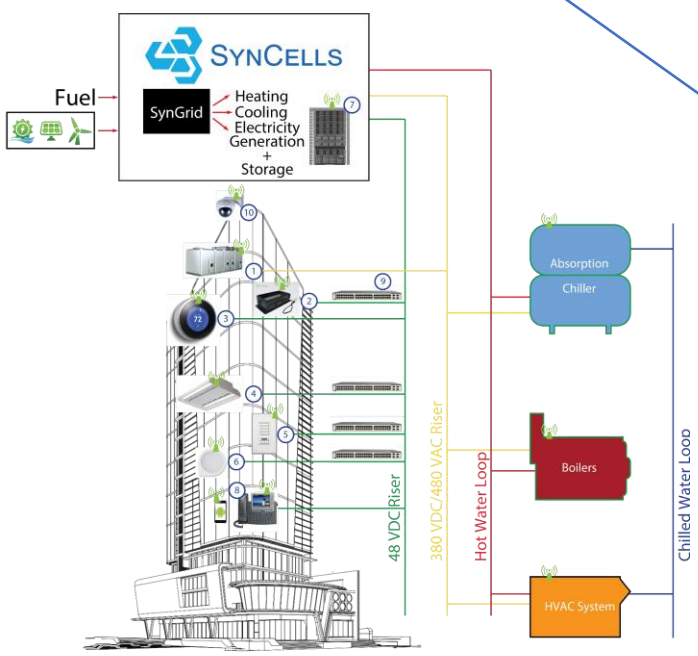
- Hyperconverged Platform =
  - Generation Cells
  - Storage Cells
  - IT Cells
- Highly scalable, flexible, dynamic, plug & play solution – not bespoke solutions for each project
- Deliver solutions as a Service (power, IT, etc.)
- Dramatic change in Operations & Maintenance – replacement cells can be shipped overnight, installed by anyone with no tools





Power, Facilities

- SynCells NanoGrid alternative to MicroGrids, scaling from a home to campus size projects
- Platform CHP/Cogen capabilities provide high efficiency (~90%) and resiliency
- Can displace traditional systems such as generators for back-up power and associated costs, whilst providing value-added services
- Delivers clean, data-center grade power negating need for UPS'
- Source of AC + DC power, latter allows for lower loss distribution, native source for powering LED lighting and other electronic devices



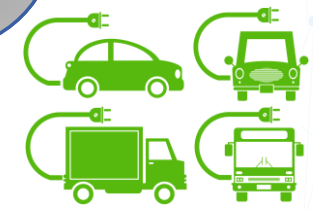
Sustainability

- More efficient use of primary energy sources (~2.5-3x more efficient than power grid), lower cost, lower carbon footprint
- Can support Net Zero strategy directly through green fuels, or in conjunction with other solutions for lower capital cost scenario
- Complements renewable energy solutions, through energy storage, baseload support, extended operations, etc.
- Serviceable, standardized modules allow easy transition to 2nd life applications
- Greatly reduce EV charger costs, increase access to charging, and significantly reduce consumption of precious materials, resources and costs by installing SynCells into vehicles for a novel, hybrid twist on EV power

NET ZERO ENERGY BUILDING CERTIFICATION℠

U.S. GREEN BUILDING COUNCIL LEED CERTIFIED USGBC

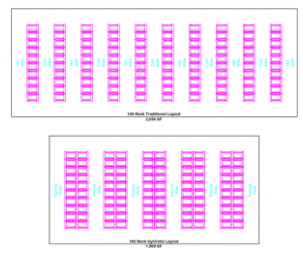
INTERNATIONAL WELL BUILDING INSTITUTE



Technology, IT Infrastructure

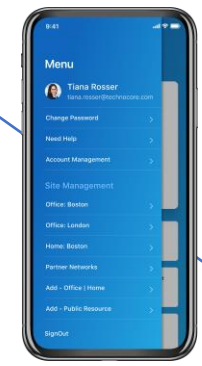
- Hyper-Converged Infrastructure + Services
- Infrastructure and Platform as a Service
- IT as a Service – partial to full monitoring, management, IAM, SIEM, SASE, and support of environment
- Hybrid platform – cloud and on-premise – provides performance, data security, low latency
- Unique architecture, converged service provide accelerated ROI, lower TCO
- Smart Building as a Service – all the above options coupled with energy + power
- Can reduce IT costs up to 50%

Data Center



- Extend the cloud to more diverse locations, even outdoor
- Achieve PUE of <1.05
- Reduce IT floor space through new, compressed layout options
- Reduce MEP floor space through use of hyper-converged infrastructure and avoidance of traditional systems
- Increase resiliency and Tier rating
- Lower energy consumption, cost, carbon footprint
- Improve working environment for staff

Smart



- Platform uniquely supports converged Smart Building -> Smart City -> Smart Economy strategy
- A common platform and user interface that can bridge the smart ecosystem divide
- Users can use standard app and interface across their home or place of work
- Avoids the need for cities to create their own apps and smart resources, allowing centralized control, management, payment collection for parking, transport, EV charging, etc.
- Provides a marketplace function allowing energy trading, automatic grid balancing through patented Energy Virtualization concept