

Answer to Infrastructure Agility... a real eye-opener!

By John Saylor

Data Centers are collapsing into Centers of Data

Data Centers are complex, requiring extensive supporting infrastructure, but are the backbone of the modern economy, the flexibility in mobility extending geographically, server rooms that power small-to-medium business, enterprise data centers that support mega corporations and cloud computing hyperscale server farms is on the rise... by 2020 their numbers are expected to grow to 8.7 million data centers. The effects on the environment are extremely concerning as to the Carbon footprint they create and the excessive energy consumption creates cause and effect... a ripple effect requiring in many cases a new Power Plant facility.

Change is coming...



What are the Possibilities...

Start by doing what is necessary: Be a responsible environmentalist, the idea that collapsing multiple data centers into centers of data fixes the environmental issue... just centralizes the problem into one large center of mass cloud computing.

Then do what is possible: Innovation is a key enabler of digital business and Infrastructure agility is necessity. IT leaders will need to rethink IT infrastructure operations (I&O) for supporting Mode 2 Infrastructure Agility of vital applications, focusing on hyperconverged systems, cloud and virtualization.

And suddenly you're doing the impossible: Reducing >50%: of the solution cost versus the competition; the impact to the environment carbon impact and electric demand PUE; by converging to the cloud or rethinking the approach to reducing the current facilities requirements; and impact while increasing the performance output >30x...

Website: www.z-impact.com

Hyperconverged Ecosystem

Bringing Tomorrows Solutions Today...

Modernization | Modularization | Mobilization

Start by Being Disruptive

The term “Disruptive Technology” was first popularized by Harvard Business School professor Clayton Christensen who believes that disruptive technologies have features that industry leading customers value as typically cheaper to produce, simpler, smaller, better performing, and frequently more convenient to use.

Quietly Develop Next Generation Infrastructure, OS and Services

Z-IMPACT has developed a blueprint Hyperconverged Infrastructure (HCI) in a Software-Defined-Data-Center (SDDC) for improving the performance, scalability, availability, integration of agile Everything-as-a-Service (XaaS) and provides application stability with proprietary virtualization which can scale to several petabytes. Our engineered solution has positioned us as an immediate leader in the High-Performance Computing (HPC) / Hyperconverged Infrastructure (HCI) Market, taking a Quantum Leap over the current industry solutions in all areas of our blueprint with a clear advantage – next generation Data Center Modernization for hardware, software and services.

Was designed for the environment with energy efficiency and 100% availability in mind. The iPulse™ OS facilitates load-balancing and instantaneous provisioning of hardware in-flight – required resources are idle (off) or active (on) – as Data Center application workloads fluctuate. The appliance configurations are based upon application workload demands that react to new business climate changes in seconds, while balancing the hardware utilization via a round-robin approach to increase the life of the ecosystem and improve MTBF ratios. We utilize Docker DevOps for Rapid IT service delivery accelerating faster-times-to-market.

Interested in learning more about Z-IMPACT?

Z-IMPACT is confident in our *completeness of vision* – our market understanding & positioning, product & sales strategy, innovation, & business model will be deployed both vertically and geographically will be disruptive to established players. We have built-in the latest industry components in our next generation compute offering, coupled with our patented technology and trade secrets.

We feel it is never good to innovate alone, so we are strongly positioned to *execute our vision* with strategic partners to broaden the use of their technology in our solution as well as develop our custom enhancements and together change the market landscape.

Looking at the overall solution. Z-IMPACT provides everything needed for a business to be successful, including full Cloud hosting, Cloud deployments, secure hardened sites or hybrid deployments. A true BCP/DR solution, DoD certified Encryption solutions, interactive firewall

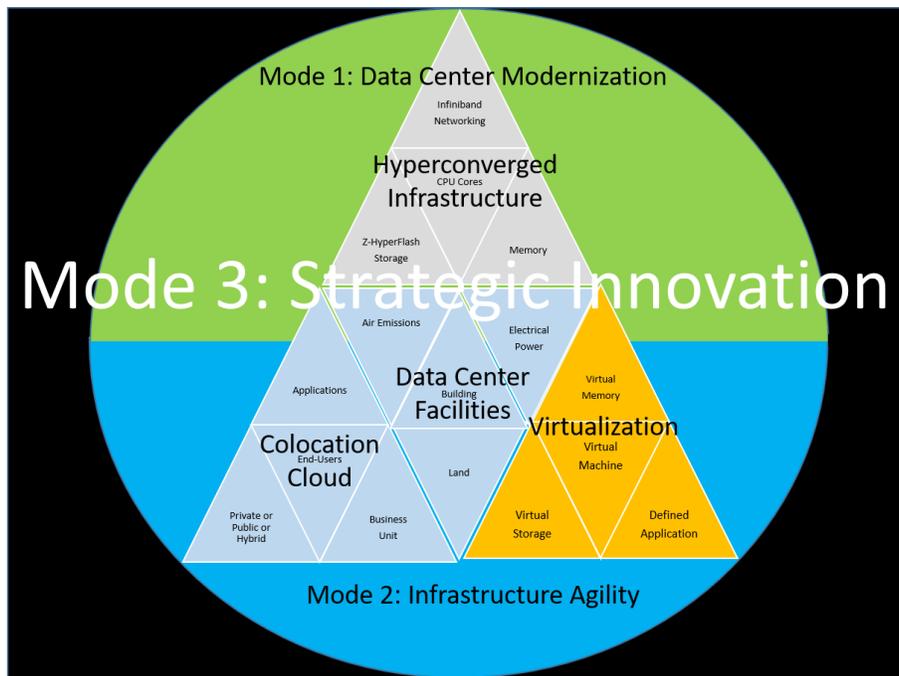
protection, including data classification identification in transit. We provide Message Queue, Data Lakes, ELK solutions and logging to advanced VDI and VOIP solutions to endpoint zero client VDI solutions.

We expect our technology will make a **Quantum Leap** into the HPC/HCI market creating an immediate market separation.

Mode 1: Data Center Modernization: Servers, Storage and Facilities

Mode 2: Infrastructure Agility: Convergence, Cloud and Virtualization = performance per ft², energy & space savings, >DCiE and lower PUE <1.2

Mode 3: Strategically Innovative: Time and Performance in both the Open Compute and Modular Compute deployments



New IT Profits

Redistribution of new-found budgets will grab the attention of CFOs or really any CxO executive that has a large Data Center footprint, making immediate financial sense to any organization struggling with adapting to the Digital Economy.

Our Market Advantage

Is simpler, better, cheaper to produce, faster performing and more convenient to use...

Z-IMPACT effect on the environment is incredible. Lowering the CO2 Footprint <50% and PUE Energy requirements by >50%, this will have the CxOs heads turning to tout Green Data Center, Low Carbon facilities and shareholders excitement.

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Z-IMPACT focuses on FASTWRAP field deployments and large Data Centers where we have C-level relationships whom are all looking for any edge over their competitors. Our broader client portfolio includes a book of 5,000+ clients across all industries.

Z-IMPACT does it better, cheaper, faster: our patented design leverages well proven technologies to attain more than 30x the performance per Data Center tile in comparison to our closest competitor. In a modular data center this would climb to 90x due the ability to stack our 40' containers 3 high like Lego blocks.

Z-IMPACT can compress the highest compute into a single container in the industry allowing a wider range deployment of the digital economy into critical geographic areas in a timely fashion in protective faraday cages reducing logistics and cost.

Z-IMPACT can collapse a 180,000 ft² Data Center into a high performance 30,000 ft² footprint which is capable of running >6,000+ software applications dynamically adjusting configurations at a fraction of the cost with much reduced operating risks, reduced latency and higher throughput. If this is a modular data center generating \$500M/year our ability to turn this center into more profitable entity would generate nice return for the colocation facilities collapsing Data Centers and mitigate build requirement costs for many with over capacity of space.

Z-IMPACT SDDC, SDx adapters, Agile XaaS software reduces the operational risks and provides an easy tool sets for management to key on to the competitive landscape and reallocate the IT headcount to revenue generating activities. It also has a rippling effect of an 85% reduction in support calls

Z-IMPACT disruption is strategically innovative. We address this change with hardware, software and services. Our net effect is disruptive strategic innovation in all three areas of deployment of our ecosystem—modernization, modularization and mobilization that creates actual geographic synchronicity.

In Summary

IT leaders must factor in infrastructure agility, scalability and responsiveness when enabling digital business innovation to produce meaningful environmental effects... in steps leading to a Low Carbon IT Industry. Z-IMPACT has a solution that cannot be overlooked by any CxO it truly is a game-changer and has effects in all the right areas of the business – environment, CAPEX, OPEX, Shareholders, people, facilities, etc...

Give us a call and let us see what we can do for you...