

Liquid Computing – Delivering the “Dynamic Data Center”

Making complex IT infrastructures easy to manage

Fast facts

Corporate profile

Liquid Computing has delivered a new generation of IT infrastructure that is transforming the traditional server and switch configurations commonplace in data centers. LiquidIQ, the world's first fully converged communications and computing platform, provides flexible pools of computing, networking and switching resources and makes data center IT infrastructures easy to manage.

Why Ottawa

Terry Fox Drive, home of Liquid Computing, is Kanata's "million dollar mile" and the heart of Ottawa's technology sector. In addition to being a hub of innovation, the road provides community members with access to affordable and thriving housing developments, such as Morgan's Grant, Katimavik and Soho West. These family-oriented developments are located near schools and parks and a family home can be purchased for less than \$300,000.

Business advantage

LiquidIQ is a converged system that combines standard physical data center resources, servers and switching with sophisticated management and control software. LiquidIQ provides true hardware level virtualization that allows the entire data center to be defined and managed in software. This enables our customers to quickly and easily create new service offerings, significantly reduce the time to deploy applications and dramatically lower data center operating costs.

As the cost of electricity continues to rise, large corporations are looking for ways to cut back on costly energy bills associated with powering racks of computer servers. While necessary to deliver services and manage a business, most servers only use 10% or less of their capacity, leaving systems on stand-by, consuming space and power. Ottawa-based Liquid Computing Corp. and its flagship product, LiquidIQ, eliminates up to 75% of existing hardware components by combining power-hungry servers and reducing power consumption by up to 85%, compared to traditional server infrastructures.



Canada's Innovation Capital

We make data centers easy to manage by delivering an integrated solution that works seamlessly with your existing applications and management tools. Our product, LiquidIQ, allows you to make complicated infrastructure changes dynamic and effortless.

LiquidIQ is a converged system that combines standard physical data center resources, servers and switching in a highly dynamic and modular platform with sophisticated management and control software. LiquidIQ provides true hardware level virtualization that allows the entire data center to be defined and managed in software. This enables our customers to quickly and easily create new service offerings, significantly reduce the time to deploy applications and dramatically lower data center operating costs.

LiquidIQ enables customers to:

- Rapidly respond to changing business needs and environments
- Rapidly provision new data center infrastructure
- Reduce power and space consumption by up to 85%
- Lower Total Cost of Ownership (TCO) by up to 60%
- Reduce operating management expenses by 10:1
- Overcome IT staffing shortages by managing more with less

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Liquid Computing won the prestigious 2007 Award for Innovation for its scalable computing system from The Institute of Electrical and Electronics Engineers. IEEE is the largest professional organization in the world with over 370,000 members in more than 150 countries.

- Easily verify and audit disaster recovery/business continuity processes

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The Kanata Centrum is a large shopping community located conveniently at the intersection of Terry Fox Drive and the Queensway (Highway 417). The one-stop-shopping complex has over 100 stores, including several big box stores, restaurants, clothing chains, grocery stores, a large hotel and a 24-screen theatre.

Kanata residents can easily use public transportation to get to the centre of Ottawa, just 20 minutes away. Kanata has three Park & Ride areas – large and free parking lots that bus riders use to leave their cars behind while they go into the city. In addition to making an environmentally-friendly choice, commuters save gas, downtown parking fees and time.

Business Advantage

LiquidIQ provides levels of flexibility and control not possible with traditional data center building blocks. The LiquidIQ system combines well understood components (i.e. x86/x64 blade servers, Ethernet switches) with proven management software designs and techniques and delivers dramatic benefits including:

- 10:1 operational management expense reduction
- 6:1 data center footprint reduction
- 90% reduction in cabling complexity and cost
- 85% reduced power consumption

Attesting to the innovation of the company, Liquid Computing received \$41 million over two rounds of financing. Investors include Axis Capital, Newbury Ventures, VenGrowth, ATA Ventures, Business Development Bank of Canada, Export Development Canada, and private investor Adam Chowanec, who's also the company's chairman.

Future growth plans

Liquid is currently focused on enterprises and service providers that are looking to reduce complexity in their data center. The company will continue to expand its markets, reaching customers that need a dynamic data center to meet their business objectives.

Contact information

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