



Branch Redefined:

Enabling the Distributed Enterprise with SD-WAN

Citrix customers deliver seamless, secure connectivity with a great experience while optimising network operations

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Leading the way to better branch operations

Enterprises today are transforming, becoming more nimble and distributed, with a changing workforce and an expanding list of applications. And with this transformation, they face radically changing networking requirements at the branch. For one, a branch can be anything from a regional headquarters or remote clinic to a kiosk in a mall – or even a ship at sea.

Wherever people need to work, collaborate, communicate, and serve customers, they rely on continuous network availability and optimal application experience.

In this rapidly evolving environment, SD-WAN is becoming the foundation of the modern enterprise network, providing solutions to the challenges of the distributed organization. With SD-WAN, IT can provide always on access to applications with a high-quality user experience wherever those applications are hosted. Secure branch connections to the cloud protect data, while simplified operations and centralised management increase efficiency and agility.

Explore real-world benefits realised by companies using SD-WAN and how Branch Redefined makes an impact in a wide range of industries.

The world's 10 largest banks & top 10 global investment companies rely on Citrix.





See Criteria Checklist

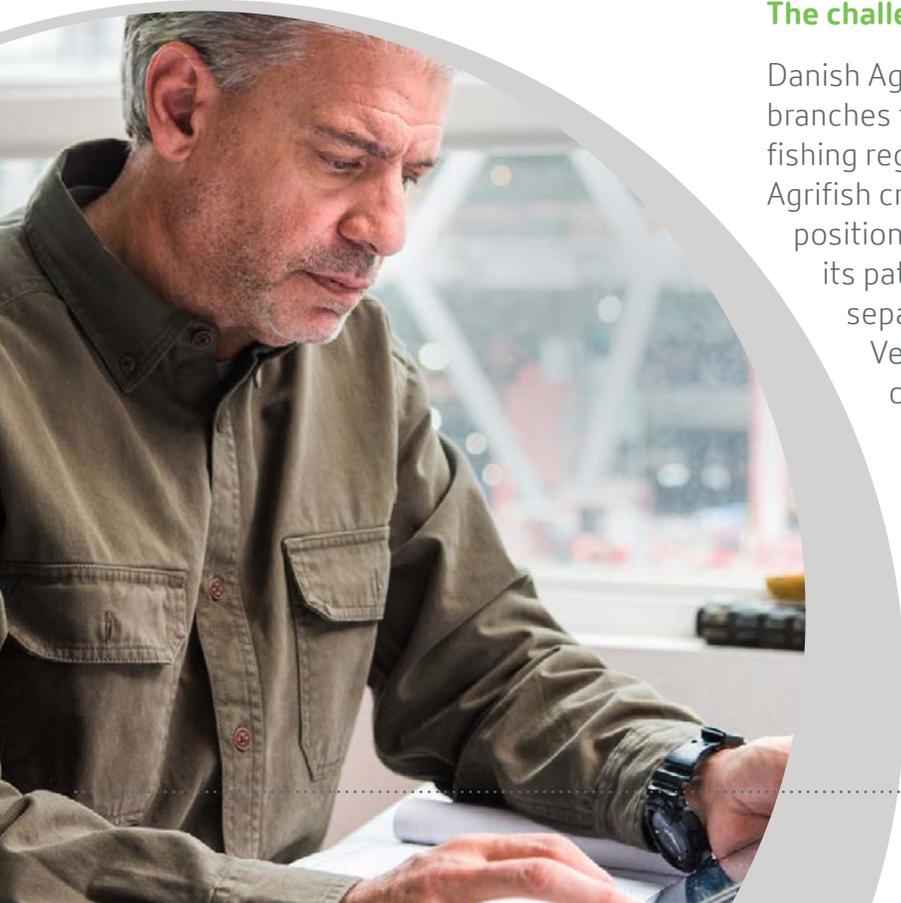
Any branch, anywhere

Danish Agrifish | Government

Delivering reliable connectivity from the data centre to ships at sea

Watch the Video

Read the Full Story



The challenge

Danish Agrifish faces unique location difficulties, with branches that are literally ships on the ocean. To enforce fishing regulations and prepare for rescue operations, Danish Agrifish crew members rely on data to look up the ships' positions and check their reported catch. While each of its patrol vessels have multiple LTE connections from separate mobile providers, coverage was inconsistent. Vessels often had to turn to expensive satellite connectivity for mission-critical data. As a result, frequent switching among mobile and satellite networks disrupted the flow of operations.

“Our ships have a better chance of planning from a professional perspective instead of constantly having to plan based on a technical limitation.”

Jan Nielsen, Team Leader – IT Infrastructure – Danish Agrifish

The solution

Citrix SD-WAN enabled Danish Agrifish applications to seamlessly migrate among mobile connections without disruption or sacrificing security, minimizing satellite use. When mobile connections were unavailable and satellite bandwidth was restricted, granular quality-of-service capabilities allowed the agency to ensure that mission-critical data was prioritised over other applications.

The results

- Uninterrupted connectivity for apps and data without sacrificing security.
- Lower network management costs with a simple-to-use interface to troubleshoot connectivity issues.
- Improved application throughout with prioritisation for critical applications.
- Better cost control over metered satellite connections.



Unified global networking

AWL | Manufacturing

Enabling global collaboration with graphic-intensive applications on any device

 [Read the Full Story](#)

The challenge

AWL provides robotics and automated welding solutions to the automotive and manufacturing sectors. Over several years, it successfully won contracts with some of the world's largest car makers – but such rapid international expansion also created major operational challenges. With design and production processes being completed in multiple locations – including the Netherlands, the Czech Republic, China, the U.S. and Mexico – sharing data and up-to-date information was cumbersome and complicated. This lack of virtual collaboration meant employees were uncertain whether they were working on the latest version of design files, and IT management costs were high.

The solution

AWL used Citrix to create a virtual workspace solution that provided the required applications and computing resources for each of the three user profiles: engineers, mechanics and office workers. NVIDIA virtual GPU software provides the powerful 3D graphics needed for complex CAD designs; Citrix ADC provides load balancing in the Netherlands and

the China data centres; while Citrix SD-WAN ensures an exceptional, stable user experience, even over 9,000 km of MPLS cable.

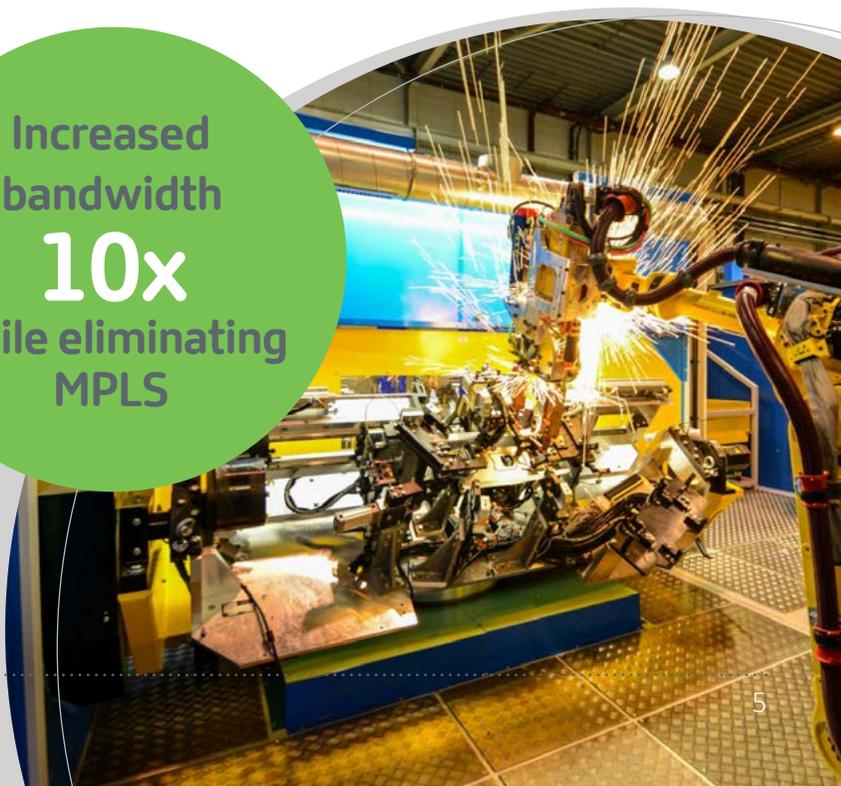
The results

- One single, global system for AWL employees and supply chain personnel to securely access designs and shared files.
- Faster, better network performance with Citrix SD-WAN prioritising traffic for virtualised CAD applications.
- Greater collaboration across continents, especially between mechanics and engineers.
- Lower IT costs since AWL's entire desktop estate is now securely managed from one location.

“With Citrix workspaces, our staff can work from anywhere, anytime, on any device they choose and have consistent performance.”

Rody Kossen, Senior Systems Engineer, AWL

Increased
bandwidth
10x
while eliminating
MPLS



Intelligent, responsive traffic management

LeasePlan | Automotive

Enhancing customer service while reducing running costs



See Criteria Checklist

▶ Watch the Video and Read the Full Story

The challenge

As a world leader in fleet management and driver mobility, LeasePlan manages more than 1.7 million vehicles in 32 countries from its Ireland-based data centres. Branches are connected by dedicated multiprotocol label switching (MPLS) lines. MPLS is a mature technology and reassuringly safe, but it's also expensive to run and slow to scale. LeasePlan spends several million Euros a year managing its global network in this way, and activating new circuits can take months. Increasing customer demand for cloud services means that having local 'breakout' connections is ever more important for user experience. LeasePlan's existing solution simply couldn't provide the bandwidth, reliability or latency its business required.

The solution

Using Citrix to deliver virtual desktops and hundreds of applications to its branch locations across a Citrix-powered network, LeasePlan has made significant cost savings while delivering more responsive and agile customer service. Citrix SD-WAN intelligently manages traffic according to its priority and proactively monitors network issues, so critical tasks can always be completed on time.

The results

- Individual branches experience faster and more reliable connectivity.
- LeasePlan's WAN costs have reduced dramatically.
- Citrix SD-Wan has enabled LeasePlan to pivot very simply to the cloud.

LeasePlan
manages more than
1.7m
vehicles

"Citrix SD-WAN is the Swiss Army knife of our data centre. When we need data, we go there – and when we need cloud data, we go to the cloud directly. Because we're not backhauling this through the data centre, our users enjoy a much better experience and we enjoy a much more efficient IT model."

Ronan Murray, Global IT Operations Manager, LeasePlan



Optimised operations

The Watershed | Healthcare
Ensuring a secure, reliable experience for VoIP and virtual desktops in every location

[Watch the Video](#)

[Read the Full Story](#)

The challenge

The Watershed provides drug and alcoholism treatment at in-patient facilities and over-the-phone. To support its growing operations, it decided to use Citrix Virtual Desktops. However, the company had rising concerns about user productivity, due to insufficient MPLS bandwidth for delivering applications, Citrix Virtual Desktop sessions, and VoIP calls. Although broadband services were in place for backup purposes, failover occurred too slowly to maintain application sessions.

The solution

The Watershed used Citrix SD-WAN to combine its MPLS and broadband connections, increasing bandwidth for Citrix Virtual Desktop sessions, VoIP, and other critical traffic. This gave it the network reliability it needed to successfully rely on virtualised desktops at all their locations.

The results

- Centralised management of application delivery and network policies.
- Always-on delivery for Citrix Virtual Desktop, VoIP, and other applications through WAN links running in active-active mode.
- More intelligent network management of branch facilities with proactive health and performance monitoring of WAN links.
- Confidence to expand the number of clinics while maintaining a lean IT staff.

**100%
uptime**
for VoIP and virtual
desktops

“We’re able to have an environment that’s stable for our end users and our patients. Citrix gives us the confidence in knowing our network is always available.”

Trevor McCain – Network Engineer – The Watershed



[See Criteria Checklist](#)



See Criteria Checklist

Strategic agility

PruittHealth | Healthcare

Supports rapid growth with an end-to-end solution to empower branch users

 Watch the Video

The challenge

PruittHealth provides services across the continuum of care, from post-acute to pharmacy to nursing centers and hospice, for an average of 25,000 patients each day. An acquisition-based growth strategy has nearly doubled the company's size over the last 10 years. In the past, these acquisitions took weeks or months to complete, slowing time to market and increasing costs.

The solution

An end-to-end Citrix solution enables PruittHealth to deliver virtual applications to newly acquired businesses over existing network infrastructure with full security and access control. The solution includes Citrix SD-WAN for networking, Citrix Gateway for secure remote access, and Citrix Virtual Apps for virtual application delivery.

The results

- Instant availability of apps for users in a newly acquired or opened location
- Nearly \$2.5 million savings in annual carrier charges
- Improved security through data centralisation

Savings of nearly
\$2.5 million per
year
in carrier charges
alone

“Citrix has allowed PruittHealth to be more agile and respond to a changing business environment over the past ten years.”

Richard Bailey – VP of IT Operations – PruittHealth



The networking solution for today's distributed enterprise

As the requirements of digital business drive change in the branch, Citrix SD-WAN is leading the way to more reliable, secure, and efficient network operations.



Reliable branch access to applications

Employees at remote offices, clinics, and stores can work productively without the risk of losing access to applications due to an outage on a single network link.

High quality application experience

To help employees collaborate and deliver service effectively from any location, Citrix SD-WAN actively manages and optimises network traffic to better support unified communications and other high-bandwidth applications.

Secure branch connectivity to the cloud

With a reliable and secure connection from branch locations to the cloud, businesses can have confidence in moving their applications and data to the cloud.

Greater efficiency and scalability

Citrix SD-WAN uses centralised policy definition to simplify network operation to ensure optimal cost efficiency, performance, and security.

The
top 10
global healthcare
companies rely on
Citrix

Next steps:

Learn more about Citrix SD-WAN and Branch Redefined

Checklist: What to look for when considering SD-WAN



[Learn More](#)

Try Citrix SD-WAN in your own environment free for 90 days with no commitment

[Get Started](#)

Compare Citrix SD-WAN to the competition

Only Citrix SD-WAN combines proactive application traffic management, end-to-end QoS, routing, and WAN optimisation to deliver a better branch office user experience while lowering network costs, simplifying branch office networking, and providing visibility into application performance.

See how Citrix measures up against other vendors.

[See How](#)

Sales inquiries?

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