



ACCELERATING THE CUSTOMER'S
DIGITAL LANDSCAPE



Our Story

Evolves with Every Technology Shift



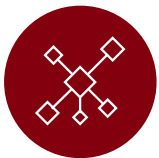
Technologies behave as **Tectonic Plates**



Cloud usage has exploded and is expected to reach a market size of **US\$ 835 Bn** in 2027.



The number of buildings globally deploying **smart building** technologies will reach **115 million in 2026** - an increase from 45 million in 2022.



In 2025, there will be **152,200 IoT devices** connecting to the internet per minute, generating \$4-11 trillion in economic value.



42% of organizations prefer re-modifying the **application interaction** with datacenters. (Harvard Business Review)

Businesses are challenged by **Tectonic Shifts**



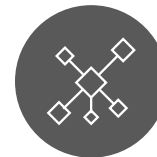
Companies face a much **wider range of threats and potential attack vectors** as cyber threat actors can target vulnerabilities in traditional endpoints, mobile devices, IoT systems connected to the cloud infrastructure.



Today's buildings rely on **multiple systems** for lighting, heating, and other necessities. Smart buildings help improve efficiency by connecting the operational systems while reducing costs.



IoT solutions leave a great impact on businesses since they don't necessarily change the method of business operation, but its implementation and rapid use improve the **productivity** and **efficiency** of businesses.



Today's organizations need a **hybrid digital infrastructure** consisting of both physical and virtual assets and functions, with physical and logical resources, connections, and dependencies.



Delivering Future-ready **Digital Infrastructure & Networking Services** for Customers

The Answer is an **Experienced Technology Partner**

- ◆ Connected experiences
- ◆ Hyperscale data center readiness
- ◆ Cybersecurity
- ◆ Communication and collaborative workflows
- ◆ Business continuity
- ◆ Cost efficient IT modernization



The **Digital Infrastructure Integrator**



Empowering business transformation with Digital Infrastructure and Networking Solutions



Delivering more than a Service, a Promise to be Relevant to Technology Shifts



Evolving on the strength of diverse Subject Matter Expertise of our experts and through the roadmap of visionary leadership



Connected as one family - internal people and a partner network of technology and product experts



Scripting technology-led client success across various sectors of the global IT landscape



Corporate Overview

Black Box is a global digital infrastructure integrator delivering network and system integration services and solutions, support services, and technology products to businesses in the United States, Europe, India, Asia Pacific, the Middle East, and Latin America and has around 4,000 professionals globally.

Black Box has strong service offerings in network integration, digital connectivity infrastructure, data center build-out, modern workplace, and cybersecurity for businesses across various industries including financial services, technology, healthcare, retail, public services like airports; manufacturing, and other sectors.



Global Snapshot



- ◆ **Innovative** and **customized** digital, cloud-ready, secure solutions and services portfolio
- ◆ **Future-ready** technology products portfolio
- ◆ **Best-in-class** technology partners
- ◆ **Worldwide** multivendor, multisite support
- ◆ Agile, flexible, **right-size organization**
- ◆ Full **cybersecurity** lifecycle services



Human Capital



Glocal Workforce

Globally Presence Highly Localized

3600+ Workforce, 35+ Countries
19% Gender Diverse, 5 Generations at Work



Employee Connectedness

Driven by Purpose

Culture of Active Listening
Extensive Communication, Engagement & Empowerment



Learning Culture

Upskilling Talent

1733 Learning Sessions
17,324 Learning Hours
5 Learning Academies (Leadership, Sales, Technology Excellence, Professional Excellence & Program Management)



India Capability Center

Leveraging Global Support

600+ in India Capability Center
Increased Global Delivery via India from 12% to 15% in last two years



Employee Survey

Every Voice Matters

67% Participation rate
High Rating on Work Environment, Culture & Climate, Leadership & accountability



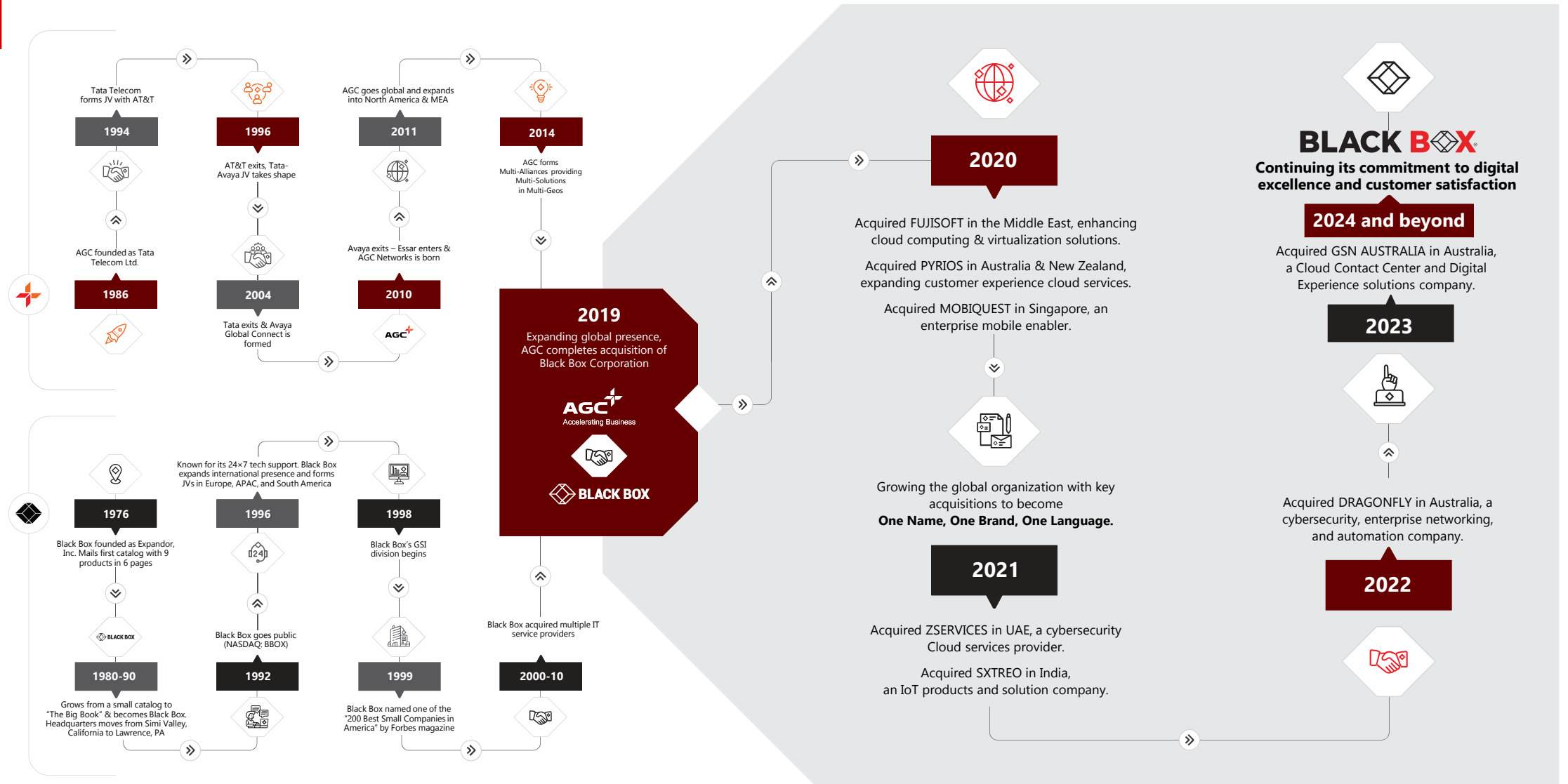
Rewards & Recognitions

Joy of Appreciation

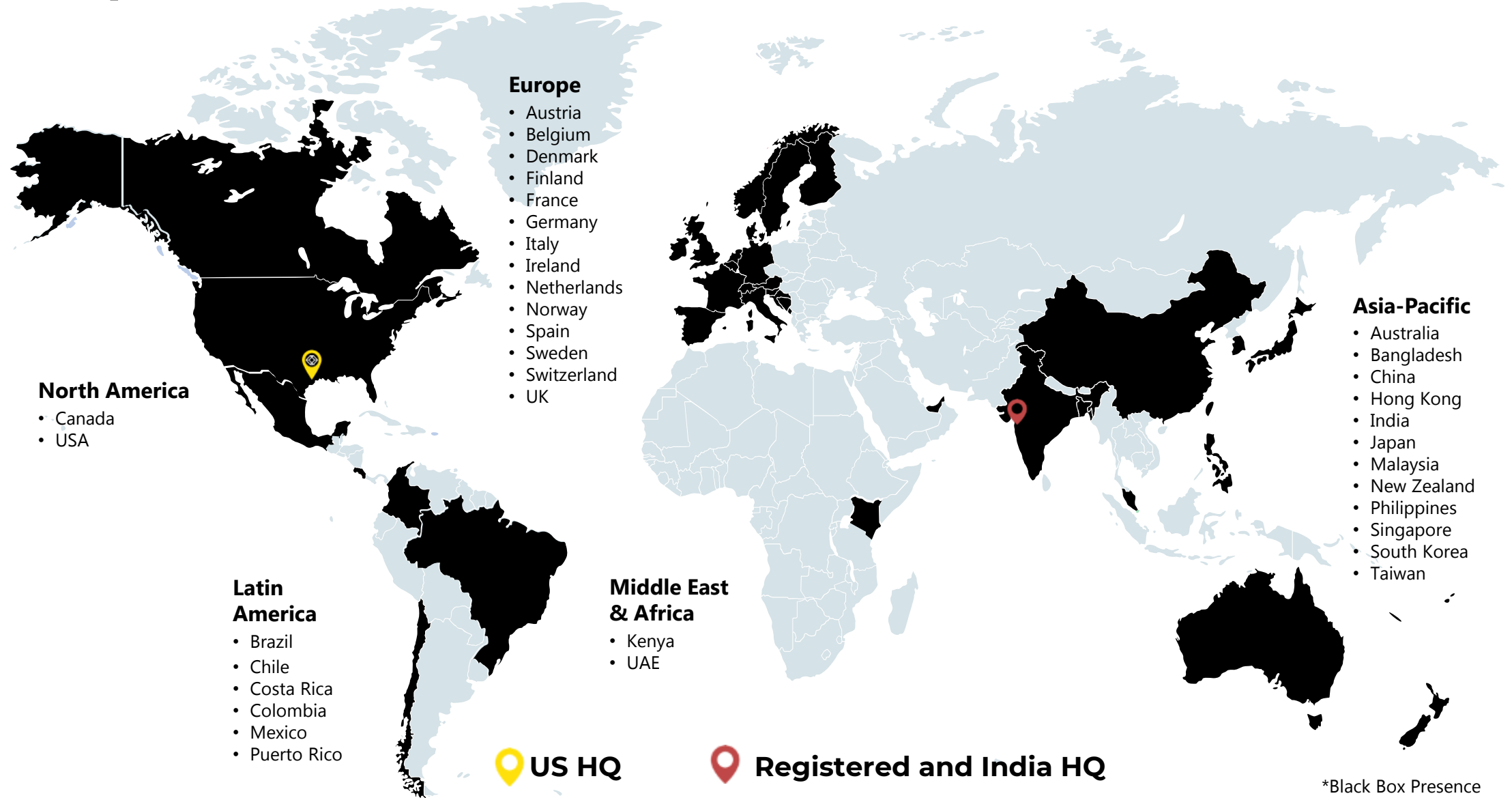
3,430 appreciations in a week
Culture of Recognition (248 Spot Awards)



Moving Forward as ONE



Footprints across the Globe



*Black Box Presence



Customer Driven



Mission

Our mission is to provide cutting-edge technology solutions, deep global resources, and world-class consulting services that accelerate customer success and drive stakeholder value.



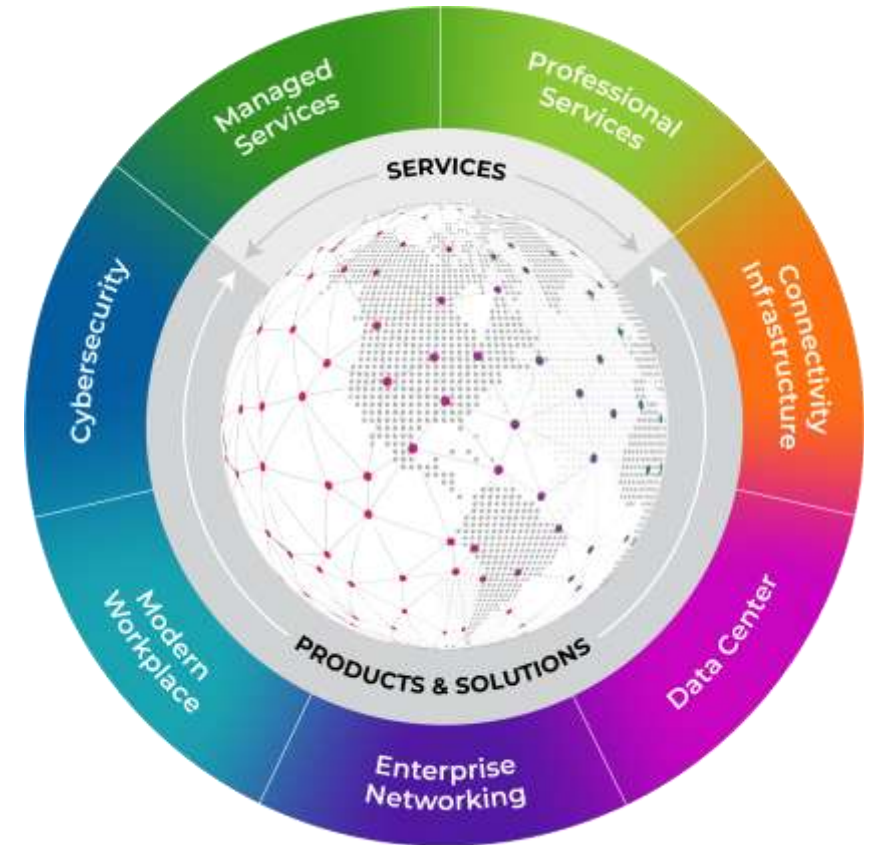
Vision

Our vision is to be the leading global IT solutions provider known and trusted for our customer-centric approach, commitment to customer success, and continuous innovation.



Values

Our values are our guiding principles. We believe in accountability and transparency with all stakeholders. We embrace global citizenship and respect our differences by nurturing diversity.



Guided By **Strong Beliefs**



Accountability and transparency with all stakeholders.



Embracing global citizenship and respecting differences by nurturing diversity.



Continuous innovation, anticipating the ever-changing needs of our customers and accelerating their success.



Guided by **1500+ Technology Experts**



Project Managers

Understanding client expectations to align service delivery to business goals



Service Engineers

Skilled in diverse domains - networking to infrastructure to telecom



Solution Architects

Advisory teams outline steps to propel the client's digital acceleration strategy

Global
Certifications

Multi OEM
Support

Glocal
Approach



Customer-first Evolution of Best Practices



Global Support

- Global Response Centers
Plano, Pittsburgh, Mumbai & Bengaluru
- Customer Experience Centers (CEC)
- Global Security Operation Centers (G-SoC)
Plano, Bengaluru, Sydney & Mumbai



Quality Commitment

- ISO 9001:2015 certified
- ISO 20000:2018 certified
- SOC-2 certified
- BICSI certified team members
- RoHS2 compliant
- WEEE compliant



Continuous Innovation

- Hyperscale Data Center of Excellence in Minnesota, US
- Bengaluru Center of Excellence for Global Solutions Integration
- State-of-the-art incubation centers to align products to newer markets



Expertise Built Over Decades



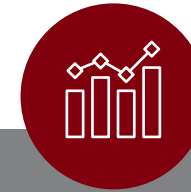
Relationships

Fostering deep relationships with our technology partners, directed towards helping our customer succeed



Relevance

Understanding industry landscapes, gauging business futures, securing IT, and aligning the relevant technology from global leaders



Results

Leveraging more than 48 years of dedicated efforts towards delivering objective results aligned to the larger customer organization, but driven by technology



Industry & Market Accolades

2024

- ◆ Extreme Networks – India Partner of the Year 2024
- ◆ Juniper Networks – Worldwide GSI AIDE Partner of the Year 2023
- ◆ Best Organization (IT & ITes) - Corporate Titan Awards (India)
- ◆ Most promising Managed IT Services Provider - CIO Review (APAC)
- ◆ Unify US Partner of the Year - Mitel
- ◆ Sound and Video Contractor 2024 Innovative Product Awards - Emerald DESKVUE with AV WALL (EU)
- ◆ Verizon – Wireline Subagent of the Year, 2023 (USA)
- ◆ Commscope – Partner of the Year '23 (LATAM)
- ◆ Verint - Partner Excellence Award 2023 (India)
- ◆ Emerald AV Wall for Best of Show at ISE 2024 (EU)
- ◆ 'Outstanding Corporate Tax Management' at the 7th Tax Strategy and Planning Summit & Awards 2024 (India)

2023

- ◆ Juniper Networks - MIST-AIDE Partner of the Year (India)
- ◆ Extreme Networks – India Partner of the Year 2023
- ◆ AV Technology Best of Show ISE 2023 for Emerald DESKVUE (Global)
- ◆ Platinum Award - Best Booth – Automation Expo 2023 (India)
- ◆ Juniper – Alliance Partner of the Year (APAC)
- ◆ Most Promising Tech Marketers Award 2023 from The Economic Times, India

2022

- ◆ Extreme Networks – India Partner of the Year 2022
- ◆ Top choice in the Disability Equality Index® Best Place to Work for Disability Inclusion (USA)
- ◆ CommScope - 'Focus on Training' Award (USA)
- ◆ Silver Stevie Award Winner Customer Service Team of the Year (USA)
- ◆ TVB Europe Best of Show Award IBC 2022 (EU)
- ◆ AV Technology Best of Show ISE 2022 (EU)
- ◆ Verint - Partner Excellence Award (India)
- ◆ Avaya - Subscription Partner of the Year (India)
- ◆ Juniper Networks - MIST-AIDE Partner of the Year (India)
- ◆ Juniper Networks - Enterprise Partner of the Year (India)
- ◆ National Best Employer Brands — 2022 (India)
- ◆ TVB Europe 'Best of Show' Award at IBC 2022 (EU)



Client Testimonials

Signaling the Strength of our Engagements



All the moving work was so well synchronized that it passed totally unnoticed by everyone, which earned us compliments. Not only did we ensure business continuity with zero downtime, but everything went according to plan and without complications.

Thiago Barros, Marfrig



Black Box is our trusted and reliable supplier. The team has proper site knowledge, and the best part is, they never required hand-holding. We are extremely pleased with the outcomes delivered by their team.

Adrian Gates, Chichester College



The new KVM System integrated with the Shelf worked really well. Black Box continues to support us through our journey and ensures we're heading in the right direction. They've seen what works, and what doesn't – and that's really valuable."

Contact Center Manager, New Zealand electricity generator and retailer



Our Portfolio



Global Solutions Integration

- ◆ Connectivity Infrastructure
- ◆ Data Center
- ◆ Enterprise Networking
- ◆ Modern Workplace
- ◆ Cybersecurity
- ◆ Professional Services
- ◆ Managed Services



Technology Product Solutions


- ◆ Audio Video
- ◆ Internet of Things
- ◆ Support Services
- ◆ Professional Services



Others

- ◆ Training
- ◆ Consulting
- ◆ Design services





Global Solutions Integration Portfolio



Multiple Layers of Tech Competency

For the Client's Digital Acceleration



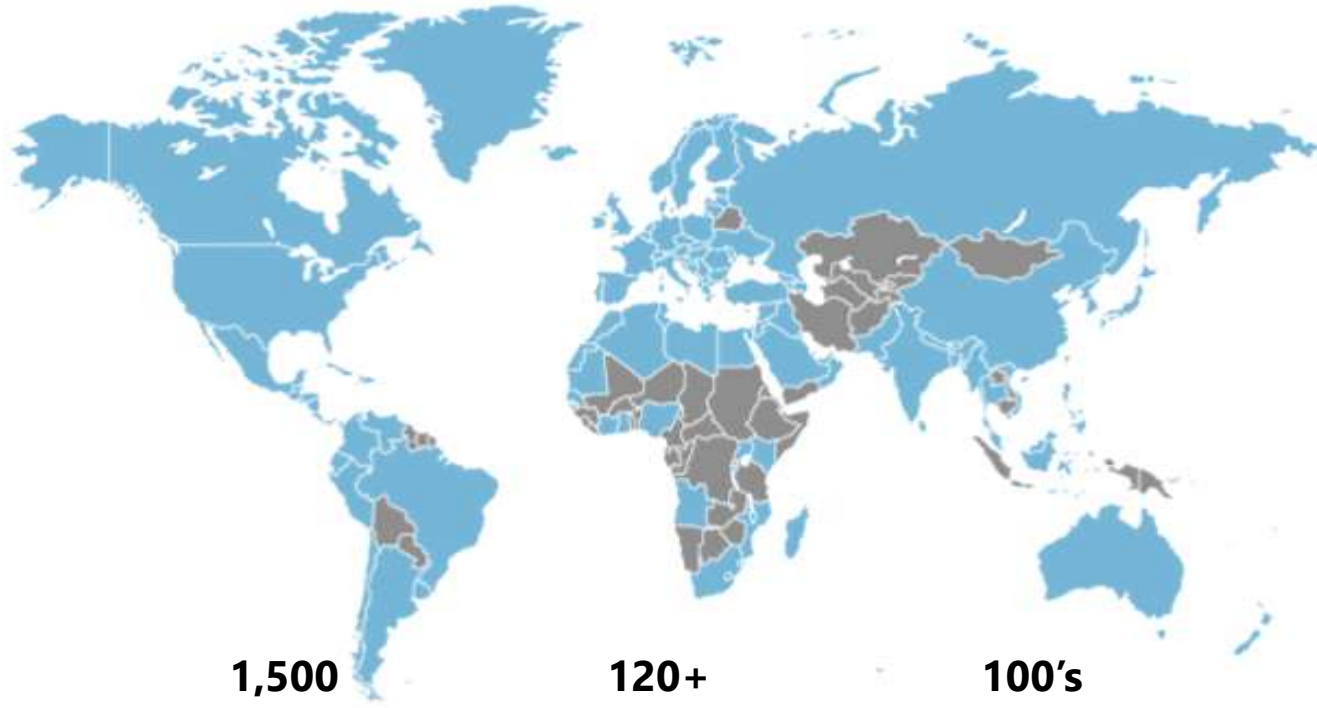
- IT Landscape where Businesses find a Firm Footing for Digital Acceleration
- Competency in a wide array of technology solutions integration - Cloud, CX, AI, Unified Communications, IoT, etc.
- Helping businesses move forward with Networking and Cloud Solutions - Wide Area Networking (Wireless and Cellular)
- Foundation of robust Digital Infrastructure service for Hyperscale Data centers | Contact centers | Wired networking
- Consulting and Service Expertise (Managed services - Professional, Field, Multisite, Support) to streamline Digital Acceleration



Global Solutions Integration



Connectivity Infrastructure



1,500
PROJECTS PER
MONTH

120+
COUNTRIES

100's
OF SITES PER
NIGHT



Fiber Connectivity



IoT, Physical Infrastructure
and Surveillance



Passive Infrastructure &
Structured Cabling



COMMScope®

CORNING



Data Center



DC Infrastructure



Networking & Connectivity



DC Support Services



Enterprise Networking



Local & Wide Area Networks



Cloud Networks



Wireless & Private LTE Networks



aruba
a Hewlett Packard
Enterprise company

CISCO
Partner
Customer Experience Specialist
Master Collaboration Specialist
Gold Integrator
Gold Provider

COMMSCOPE

CORNING

Extreme
networks

FORTINET

JUNIPER
NETWORKS

paloalto
NETWORKS

*Logos Are The Property Of Their Respective Owners

Modern Workplace



Employee Experience



Advisory & Consulting



Customer Experience



AVAYA

CISCO
Partner
Customer Experience Specialist
Master Collaboration Specialist
Gold Integrator
Gold Provider

 **Microsoft**

zoom

RingCentral

 **Mitel**

Atos

NEC

*Logos Are The Property Of Their Respective Owners

Cybersecurity

Outcome-based | Complete lifecycle services | Tailored to clients' needs | Best of the breed technologies | Cost effective



Managed XDR



Infrastructure and Data Security



Advisory and GRC



- Consulting Services
- System Integration
- Managed Services

FORTINET

paloalto
NETWORKS

SECURONIX
Security Analytics. Delivered.



Global Support Services

Professional Services



Consulting & Design



Project & Deployment



Field & Dispatch Services



Application Development
& Integration

Managed Services



Service Desk



Support Services



Staff Augmentation

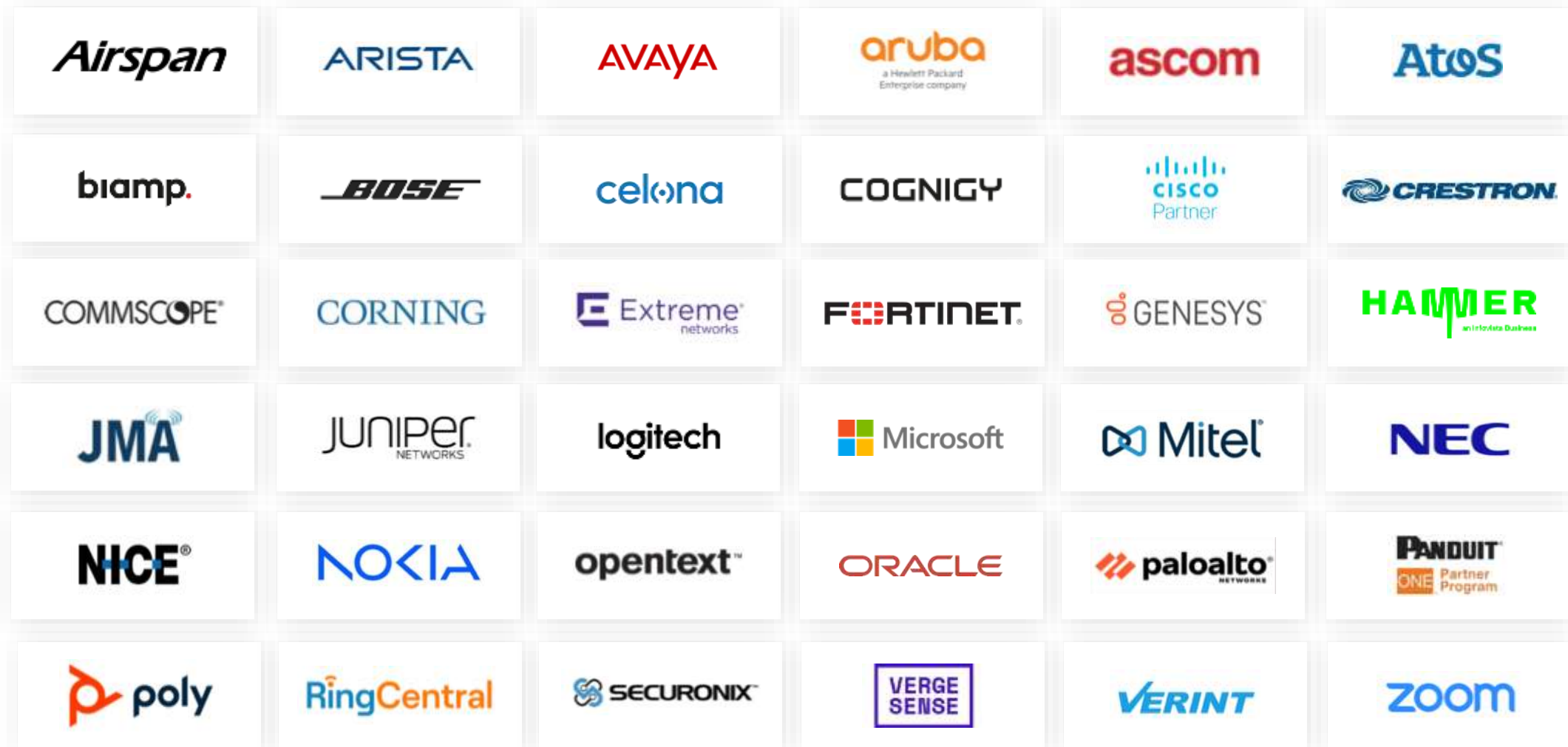


X-as-a-Service



Furthering Digital Acceleration on **Strong Partnerships**

Technology Partners





Business Benefits of Our Digital Infrastructure



Case Study – Data Centers

Building Global Hyperscale Data Centers for a Data Center Giant



The Client

One of the largest data center holders around the world.



The Challenge

Construct multiple hyperscale data centers globally with complex requirements and aggressive go-live deadlines while maintaining data centers that carry massive traffic throughout the world.



The Solution

Black Box has a global strategy and methodology of standardizing and ensuring repeatable, predictable outcomes. Recruit, train, and retain cultivated talent for long-term projects and resource reallocation.



Benefits

As a preferred data center partner, Black Box has been continuously entrusted with new build-outs while operating data centers with skilled, certified, in-house talent.



Case Study – Technology

Technology Refresh for a Global IT Leader



The Client

Our client is a global leader in IT services, consulting, and business solutions, with a rich history of partnering with some of the world's largest corporations for over five decades.



The Challenge

The customer required a technology refresh for its wired and wireless network in India due to outdated infrastructure unsuitable for modern applications. Their system also lacked performance, reliability, security, and scalability.



The Solution

Black Box improved its network infrastructure by upgrading both LAN and Wi-Fi systems using Juniper switches and deploying AP43 with WiFi 6 technology. Additionally, the nationwide deployment of Avaya IP telephony and Mist AI has enhanced user experience and resulted in reduced operational costs.



Benefits

Black Box facilitated the customer's understanding of Juniper Mist's value in managing its expansive network. The solution streamlined the configuration and operation of switches and access points, resulting in simpler operations, quicker repairs, and better visibility into user experiences.



Case Study – Cybersecurity

Turn-key Vulnerability and Gaps Assessment for Geauga County



The Client

Gauga County, a county in the U.S. state of Ohio, in support of the richly dynamic culture of its citizenry, required a robust, secure, and vulnerability-free IT infrastructure.



The Challenge

- Visibility
- Cybersecurity gaps
- Cybersecurity risks
- Security policies addressing the new privacy & security compliance requirements



The Solution

- Vulnerability and gaps assessment on external and internal IT infrastructure
- Series of reports identifying the findings, risks, & remediation efforts
- Remediation engineering, security policy vCISO services & security program maturity development



Benefits

- Optimization of security assets
- Devices and systems hardening
- Improved security posture
- Security policy ensuring privacy and safety protections



Case Study – Unified Communications

Communications Continuity for a Public Utility



The Client

Operating for more than 50 years, this citizen owned public utility provides electricity, water, and telecom for a town of 60,000 in the Pacific Northwest, USA.



The Challenge

To ensure communications continuity and top-of-the-line customer service, the client needed to upgrade its end-of-life, no-longer supported hard-wired communications system to one that provided modern contact center and collaboration features and mobility.



The Solution

After an exhaustive search, the Utility took the digital leap with a high availability, NEC UC solution that provides redundancy for disaster recovery, modern functionality, mobility, scalability and transparency across multiple call centers.



Benefits

The Utility improved customer service by reducing wait times and using modern messaging and automated functions. During a snow emergency, the power went down, but the phones, and customer service stayed up. IT likes the scalability and connectivity for networked locations.



Case Study – Airports

Preparing for the Future of Global Air Service – Major Airport System



The Client

A major Airport System in the United States that manages multiple city airports.



The Challenge

The company needed to migrate the Airport Command Centers to a new voice platform with minimal interruption to daily activity as this system plays a key role in keeping the airport system running smoothly.



The Solution

Black Box provided the expertise and resources to make this migration seamless. Facilitating a phased move to Cisco UC Manager, Black Box delivered professional services, including design, on-site assessment and surveys, project management, as well as deployment services.



Benefits

- Optimization of voice communication infrastructure/management / monitoring
- Increased availability of technical expertise and resources
- Highly effective incident and performance remediation
- Freedom to shift internal resources to other business priorities
- Seamless modernization of voice communication technology



Case Study – Enterprise Networking

Transformation of Voice/Data Service Management for a U.S. Automobile Manufacturer



The Client

The client is a leading automobile company with multiple major manufacturing units.



The Challenge

The company used a telecom expense management system and was facing problems in its voice and data documentation with no clear way to correlate existing services and monthly expenses. The business needed a more effective means of managing its carrier environment ensuring both cost recovery and operational efficiency.



The Solution

Black Box has provided carrier managed services that optimize the management of voice and data services to expand the savings potential for the business and provide better service to all business locations and end users. Through this relationship, the business now maintains a well-organized inventory of voice and data services mapped to monthly invoices.



Benefits

The manufacturer has reduced the burden on its IT department and established a 'cleaner' voice and data environment. The business can now efficiently validate charges before paying their service providers and has realized additional savings by eliminating recurring late payment charges. Its business management unit now is positioned to make better-informed decisions for digital transformation.



Case Study – Unified Communications

Building a Cloud-Based Omnichannel Contact Center



The Client

This start-up is a one-stop solution for all logistical requirements.



The Challenge

The company wanted to implement a Cloud CX and SimpleCRM solution as their CapEx drastically dropped due to the absence of customer data and delivery centers. Their customers have higher and varied requirements regarding convenience, agility, smooth interaction, channel availability, quick time to market, and personalized solutions. The company was unable to fulfill such requirements without a scalable and reliable platform.



The Solution

Offered a comprehensive, robust Enterprise CRM platform with Intelligent Automation capabilities to build state-of-the-art technology. With Genesys Cloud CX and SimpleCRM hosted on multi-cloud, our experts provided top-notch multi-cloud solutions to address challenges like the absence of customer data centers and delivery centers and introduced cloud contact center operations.



Benefits

Implementing a multi-cloud solution with Genesys and SimpleCRM, Black Box ensured the integration of an omnichannel customer engagement platform with best-in-class features. The cloud contact center helped the startup tailor their conversations and bring desired business success. The solutions helped the company to make the most of the all-in-one design of Genesys Cloud CX which allows integration with existing systems through its open architecture.



Case Study – AV-over-IoT

Shannon Brewing Company Implements Complete AV-IoT Solution



The Client

Shannon Brewing Company is proud of their one-of-a-kind, award-winning fire-brewed beer. Made with pure Texas spring water, whole grain, and whole flower hops, the beer is sure to satisfy the palate with its rich, malt flavor.



The Challenge

The brewing company faced two challenges: enhancing the video entertainment in the customer-service area and transitioning the monitoring equipment from the analog age to the digital age in the brewing area.



The Solution

Black Box's MCX-AVoIP video matrix system combines the eleven TVs and eight media sources to be able to send any source to any TV, at any time. The AlertWerks IoT Web Gateway and LoRaWAN wireless sensors monitor temperature, humidity, water leak detection, door operation, and more.



Benefits

Debuting on Super Bowl Sunday, the brewery rolled out the AV-IoT solution from Black Box. The big game was broadcast on the video walls in the bar area and outside patio. The environmental monitoring equipment in the back room operates efficiently, maintaining the quality and taste of the beer brewed on-site.



Case Study – KVM-over-IP

Returkraft Deploys Emerald PE and Central Power Hub in a Brand-New Control Room



The Client

Returkraft recycles ordinary household and company waste and turns it into energy. Serving 23 Norwegian municipalities in Agder and Telemark, the incineration plant receives approximately 130,000 metric tonnes (143,300 tons) of residual waste per year. Returkraft recovers 63% of the energy in the waste received



The Challenge

Last June, the Returkraft plant suffered an explosion that destroyed their control room. The company was faced with the challenge of building a temporary control room to monitor and access targets in a technical room. Safety was paramount for the new control room.



The Solution

A KVM over IP solution using Emerald PE extenders connecting the systems and operators replaced the damaged equipment. The Emerald PE transmitter and receiver units are installed in the temporary control room and server room with future plans to deploy the same setup in the new installation.



Benefits

Returkraft now enjoys point-to-point KVM extension over a limited number of infrastructure cables, including power and network redundancy. The new solution extends the same number of KVM signals over a fewer number of cables.



Case Study – MCX AV-over-IP

MCX Unifies Video Manipulation in Military Tank Training Simulations



The Client

A large military tank manufacturer supplies real-world tank simulators.



The Challenge

Whenever the company wins a tender for vehicles, they also need to sell simulators to train soldiers cost-effectively before really driving a tank. The manufacturer needed basic video manipulation, like extension, switching, and splitting. Saving space and reducing the number of rendering PCs were also their priorities.



The Solution

The Black Box MCX AV over IP solution proved to be a perfect fit. As IP is easy to deploy, it reduces cabling and breaks distance limitations of proprietary solutions. Reducing the number of required components to virtually three devices: transmitter, receiver, and one controller added to its simplicity.



Benefits

MCX delivers premium performance, quality AV, and uses network switching to connect everything together in a seamless environment. About the MCX product solution, the customer said, "It is overwhelmingly easy, and we plan to use it for all major new releases."



Case Study – Emerald KVM-over-IP

Philadelphia Eagles Use Black Box Emerald KVM for Flexible, User-Friendly Virtual Access to Production Systems



The Client

The Philadelphia Eagles are a professional American football team based in Philadelphia. The Eagles compete in the National Football League as a member club of the league's National Football Conference East division.



The Challenge

After replacing the aging KVM system that used to support the game-day production system and a control room, NFL's Philadelphia Eagles wanted a new KVM solution that would allow for virtual machine access and flexible remote desktop access while ensuring optimal performance and use for engineers, creatives, and others working across all Eagles facilities and production systems.



The Solution

Black Box Emerald SE and PE KVM-over-IP systems and Boxilla KVM manager support signal transport for everything in the Philadelphia Eagles' television production world. As Philadelphia Eagles Senior Broadcast and Media Engineer David Sullivan puts it, "It's our connection to everything."



Benefits

Enabling a reduction of the on-event team by 65%, the customer can now deliver even more sports productions in a better quality, bringing greater consistency to its broadcasts and establishing a more collaborative creative environment.



Case Study – MediaCento HDMI-over-IP

Fitness Company Reimagines AV Content Distribution System to Engage and Inform Customers



The Client

A large fitness organization.



The Challenge

A large fitness organization partnered with a system integrator with the goal of updating the AV content distribution system in their facilities. The organization's old AV content distribution system failed to work, so they wanted a unified screen system in various areas in their facility, controlled from a central location as well as from the point of access.



The Solution

In each training area, MediaCento propels a large screen that broadcasts training sessions with a virtual trainer. In the restaurant area, three large displays form a video wall. In the entrance area, interactive kiosks allow self-service login, service bookings, and more, all connected via USB and serial ports.



Benefits

The system operates 24/7, is easy to maintain, and doesn't require any further training or support after its first short introductory training. The fitness club chain saves costs through self-service at the kiosks and training areas. Selling third-party ads through the system offers them extra income, accelerating the ROI for the AV installation.



Forging Lasting Relationships Across the Business Continuum



Technology

6 of the top 10 Tech
Companies in the US



Healthcare

8 of the 'Fortune 500'
Healthcare Companies



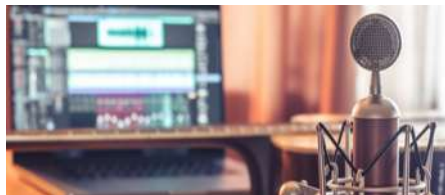
Manufacturing

6 of the 'Fortune 500'
Petroleum Refining Companies



Utilities

4 of the top 15 Utility
Companies in the US



Broadcasting

2 of the top 5
Broadcasters Globally



Retail

7 of the top 30
Retailers in the US



Pharmaceuticals

7 of the 'Fortune 500'
Pharmaceutical Companies



Banking

6 of the 'Fortune 500'
Banks



THANK YOU



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