Technology professional services

Driving efficiency with excellence

Adopting a state-of-the-art technology stack enables you to redefine your business capabilities, drive unparalleled growth, and elevate your performance to an all-time high.

The CME Technology Professional Services harness the latest and greatest in tech to turn your business strategy into an actionable reality. With our extensive industry knowledge and enterprise agile methodologies, we help you reshape your technology operating model to explore dynamic opportunities and continue leading into the future.

We help you



Enhance operational efficiency



Tap into industry-specific technology skill sets



Speed up time to market



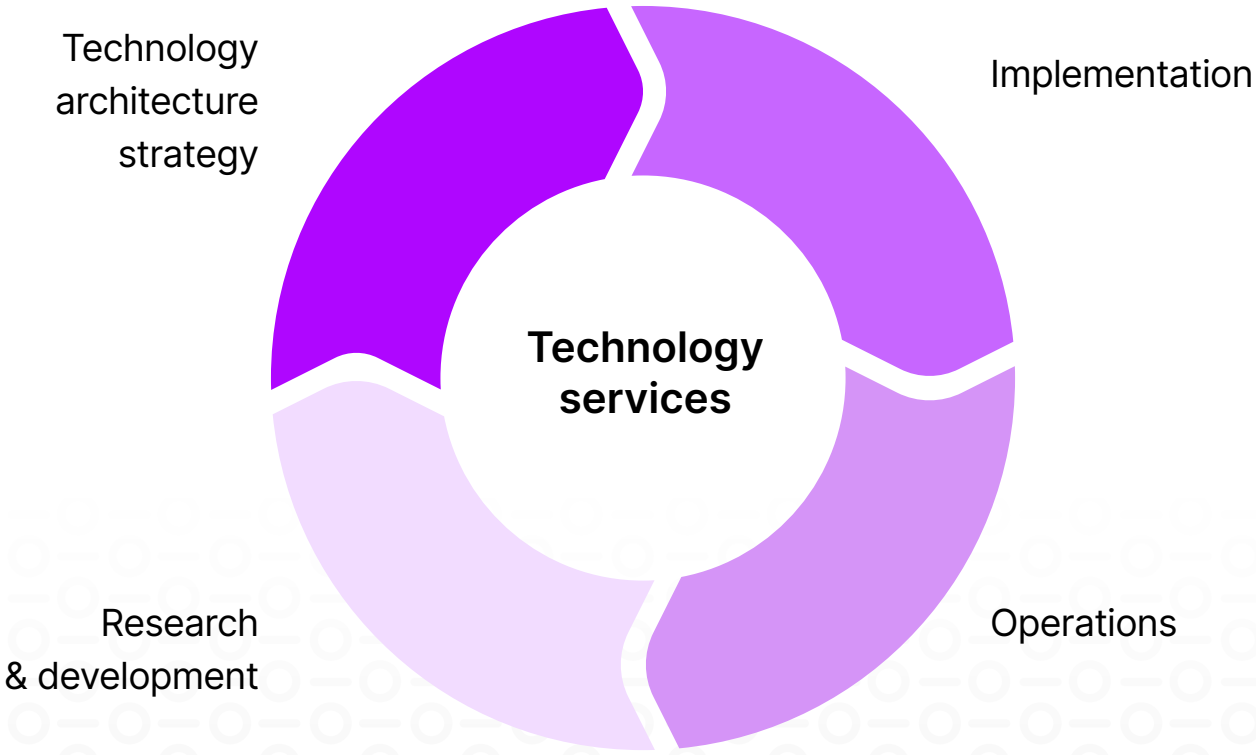
Accelerate your innovation



Deliver outstanding user experiences

Scaling your success with premium end-to-end solutions

From large-scale transformations to targeted solutions and day-to-day operations, our services cover the entire spectrum of technology support.



Software engineering

Our expertise in software engineering drives transformative capabilities that give our clients a competitive edge. We develop solutions that are not only scalable and future-ready but also patent-worthy, with some having secured US patents.

- Custom software development
- Application modernization
- Application integration
- Cloud application development and migration
- DevOps
- Advanced automation and AI integration

Artificial intelligence

We create purpose-built, custom AI solutions that optimize processes, accelerate decision-making, and place personalized experiences front-and-center, powering smart strategies with secure, specialized, and adaptable technology.

- Data engineering and transformation
- Machine learning and predictive solutions
- Computer vision and image processing
- Natural language processing and generative AI
- Optimization problem solving
- MLOps
- AI strategy consulting

Data and analytics

Our data and analytics services cover the entire spectrum of data management, from the most basic needs of cleaning and structuring data to the advanced stages of preparing data for AI and building AI-driven solutions.

- Data architecture and engineering
- Data processing and transformation
- Real-time analytics and Big Data
- Advanced analytics and AI integration
- Data visualization and insights
- Data management, security, and governance

Internet of Things (IoT)

When building IoT solutions, we prioritize connectivity, security, and scalability. We ensure seamless communication between devices, focus on secure data handling, and design systems that are efficient, reliable, and evolutive.

- Smart device engineering and manufacturing
- IoT solution design and development
- Edge computing and real-time monitoring
- Data management and analytics for IoT
- Security and device management
- Digitization and process modernization

UX/UI design

Our UX/UI design process is rooted in user-centricity and usability. We ensure that our designs are visually appealing, intuitive, and functional. By prioritizing accessibility, interactivity, and consistency, we deliver solutions that enhance user engagement and contribute to business success.

- UX strategy and research
- User interface design and development
- Prototyping and validation
- Continuous experience optimization
- Emerging technology integration

Your tech partner

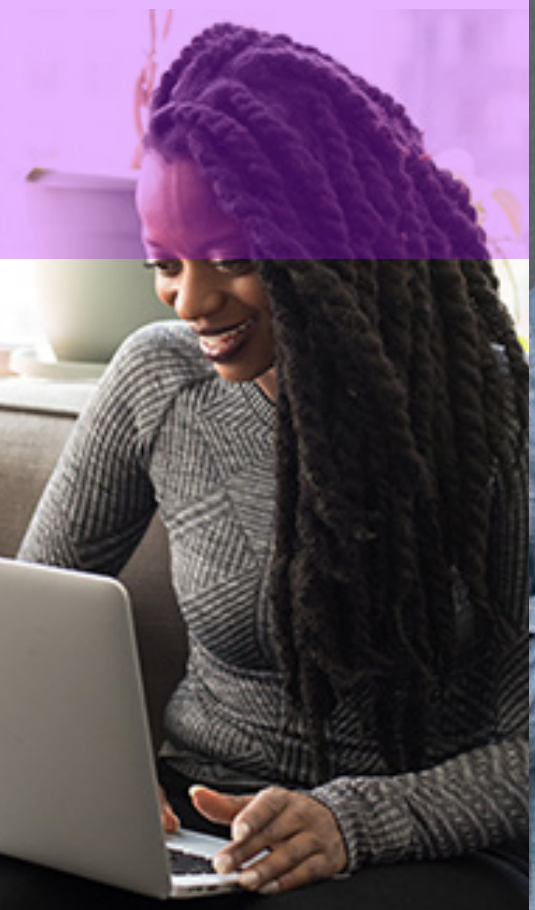
Since day one, we have been driven by a solid commitment to excellence as we continuously refine our offerings to deliver world-class solutions at efficient cost.

We have a proven track record of supporting over 100 clients worldwide, including Fortune 500 companies, with 40% of our revenue derived from iconic brands.

350 large-scale projects
delivered

80M+ users
served daily

40+ years
of trusted tech expertise







Long-standing relationships

Our utmost dedication to providing exceptional services has resulted in 90% of our clients choosing to extend their collaboration with us for **over five years.**



Highly qualified multidisciplinary team

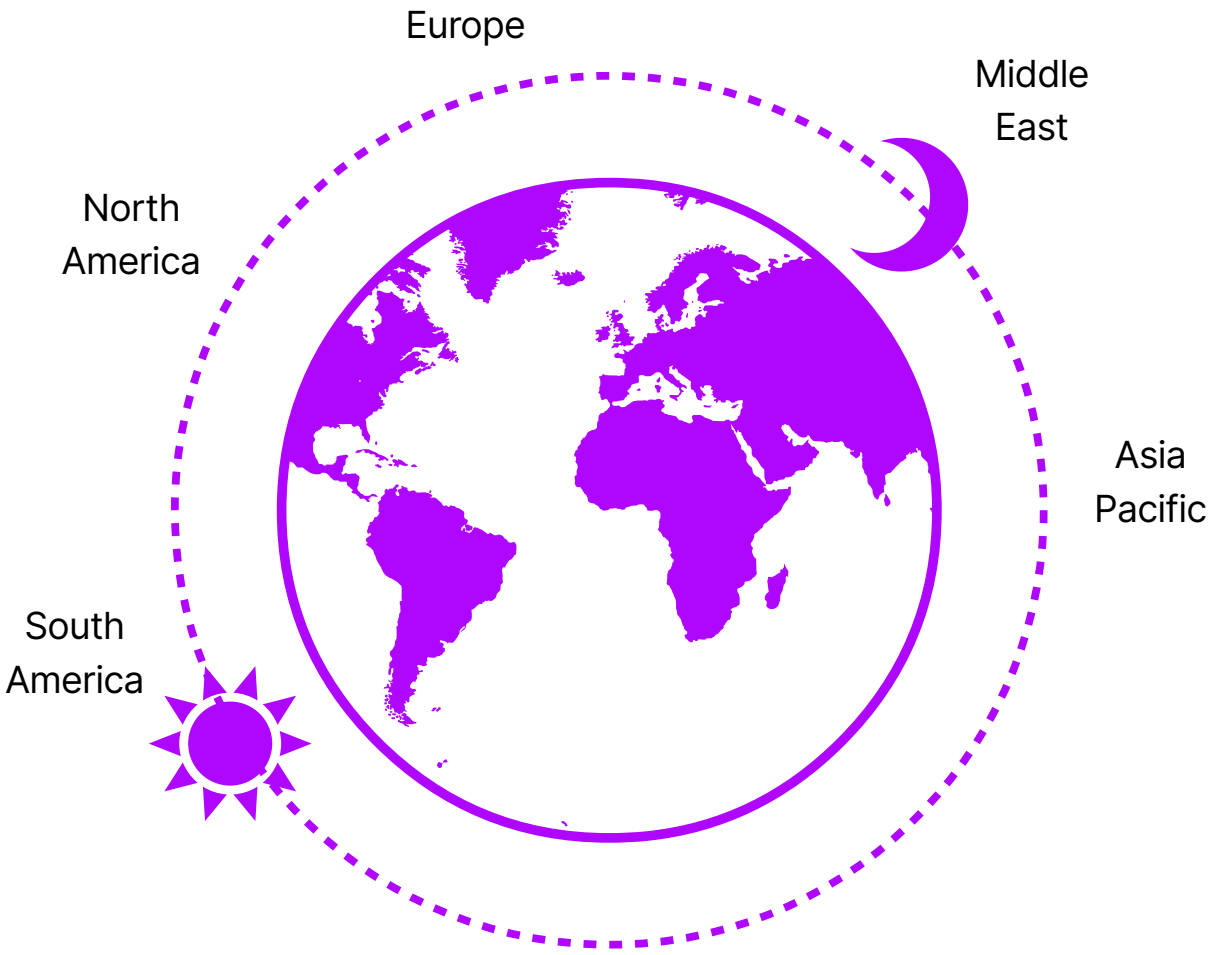
Our clients' resounding success in their respective fields reflects our team's top-notch capabilities in domain expertise, problem-solving, critical thinking, and lifelong learning.

30+ lead domain experts across several industries

5 years of average employee tenure

6 native languages

«Follow-the-sun» model



Technologies we use »

1. Software & mobile development

Development languages	C#, Java, Python, PHP, Node.js, Scala, Ruby, JavaScript, TypeScript | Swift, Kotlin, Dart, Objective C (Mobile)
Front-end frameworks	Angular, React.js, Backbone.js, Vue.js, ASP
Messaging systems	RabbitMQ, Kafka, Apache Pulsar
Back-end frameworks	Spring MVC (Java), ASP.NET MVC (C#), Razor (C#), Blazor (C#) | Django (Python), Flask (Python), FastAPI (Python) | .NET Framework (C#), .NET Core 6, 7, 8 | Play Framework (Scala), RabbitMQ, Redis
Databases (SQL & NoSQL)	MSSQL, MySQL, PostgreSQL, Oracle, MongoDB, Cassandra, Redis, InfluxDB, AWS DynamoDB
Mobile development	iOS Native, Android Native, React Native, Flutter | Front-end toolkits: UIKit, Swift UI, Android Views, Jetpack Compose | Dependency management: Gradle, Maven, npm, CocoaPods, Carthage, Swift Package Manager
Low code and automation frameworks	Power Automate, Power Apps, Microsoft Rules Engine, Elsa Workflows

2. Data & AI

Data engineering	Orchestration & workflow: Airflow, AWS Glue, Azure Data Factory, PyFlow, Camunda | Data warehousing: Amazon Redshift, Snowflake, Google BigQuery, Azure Synapse, Vertica | ETL & integration: AWS Glue, Azure Data Factory, Nifi, Stitch Data | Data streaming & real-time processing: Kafka, SignalR
Artificial intelligence & machine learning	Tech stack: Python, PyTorch, TensorFlow, Keras, Scikit-learn, XGBoost, ONNX | Natural Language Processing (NLP): NLTK, Spacy, Gensim, OpenAI, Huggingface | Computer vision: OpenCV, Pillow, TensorFlow Hub, DeepFace, Midas, PaddleOcr | Recommender systems & semantic search: Vector Databases (Milvus, ChromaDB) | MLOps: Azure ML Studio, AWS Sagemaker, MLFlow
Data science toolbox	Numpy, Scipy, Pandas, Seaborn, Matplotlib, Plotly, Statsmodels, PDFMiner
Data analytics & visualization	PowerBI, Tableau, Grafana, Elasticsearch, QuickSight, QlikSense | Custom dashboards

3. Cloud & DevOps

Cloud platforms	AWS, Google Cloud Platform (GCP), Microsoft Azure, Oracle Cloud
Monitoring & IT operations	Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana) | Cloud monitoring: AWS CloudWatch, Google Cloud Logging, Azure Monitor
DevOps & Continuous Integration/Delivery (CI/CD)	Containerization: Podman, Docker, Kubernetes (rke2, etc.), Red Hat OpenShift | CI/CD tools: Jenkins, GitLab CI, Azure DevOps, ArgoCD, AWS pipeline | Infrastructure as code: Terraform, Ansible, Pulumi
API management	Red Hat 3scale, Postman, Swagger, AWS API Gateway

4. Quality assurance & testing

Test automation frameworks	Selenium WebDriver, Appium, Calabash, Cucumber, Playwright | JUnit, NUnit, MSTest, xUnit, TestNG
API testing	Postman, SoapUI, cURL, Rest Assured, Swagger
Test reporting tools	Allure, Zephyr Scale

5. User experience & interface design

UX/UI design tools	Figma, Adobe Creative Cloud (After Effects, Illustrator, Photoshop), Lottie
Front-end styling	CSS, Sass, SCSS, Tailwind
User research & testing	Figma, FigJam, Google Analytics, Firebase, Appsflyer, UXCam
Resources	iconscout.com, mobbin.com, Lottie.com

6. IoT & hardware

Firmware development	C & C++ Development Tools, Free RTOS, Linux for IoT
Mechanical design & simulation	PTC Creo
Quality & regulatory compliance	FMEA analysis, TolStack, FCC, UL, CE, IEC
Material selection	UL Prospector

Flexible engagement models

Whether you are looking for complete project management, tailored solutions, or team extension, we build the right engagement model that aligns best with your project goals, resources, and timelines.

Staff augmentation model

Augment your team with specialized professionals to scale up your workforce on demand.

» Ideal for addressing specific skill gaps, scaling up for short-term projects, and accelerating project delivery.

Dedicated team model

Outsource the management and operation of specific areas, freeing you to concentrate on core business functions.

» Ideal for efficiently managing IT operations, infrastructure, and specific services, reducing overhead and risks.

Fixed scope model

Agree on a set project price and scope, ensuring predictability and cost control.

» Ideal for well-defined projects with clear requirements, ensuring budget control and delivery within defined timelines.

Collaborative model

Work together with our experts to collaboratively develop innovative solutions and share joint responsibilities.

» Ideal for innovation-driven projects, prototyping, and research, fostering creativity and knowledge exchange.

Licensing model

Access and utilize our proprietary technologies, software, or solutions under a licensing agreement.

» Ideal for leveraging our cutting-edge technologies and tools, reducing development time and costs.

Our work in action







Case study

Revamping online and physical retail digital experiences for 6 million monthly users



The background

Our client, a leading retailer with over 20,000 locations across the US, was looking to enhance their e-commerce presence. As a top priority, the maintenance-intensive legacy application had to be replaced by a scalable digital solution that would provide shoppers with a modern user experience.

What we did

After carefully studying and understanding the target audience, we developed an all-new digital front-facing solution, that includes a multi-purpose mobile app and a website centered on user conversion, retention, and service.

The digital solution was fully integrated within the client's extensive tech ecosystem and partner network. Once online, it enabled customers to conveniently handle all their shopping activities digitally.

To improve overall customer engagement and spending, we implemented dynamic features such as a digital wallet, coupons and discounts, rewards, and targeted offers based on user behavior and profiles.

In physical stores, the app acts as a shopping companion. It offers a cart calculator that allows customers to scan items with their phones and check a running tab in real-time. Mobile self-checkout was also rolled out shortly after the first release.

For buy-online-pickup-in-store (BOPIS) orders, we created a dedicated handheld terminal application, that streamlined the pickup process and ensured faster, more efficient service for customers.

The impact

The mobile app received critical praise among users and is continuously updated with quality-of-life improvements and new features to deliver the best possible experience for all customers.

Number of downloads:
20+ million

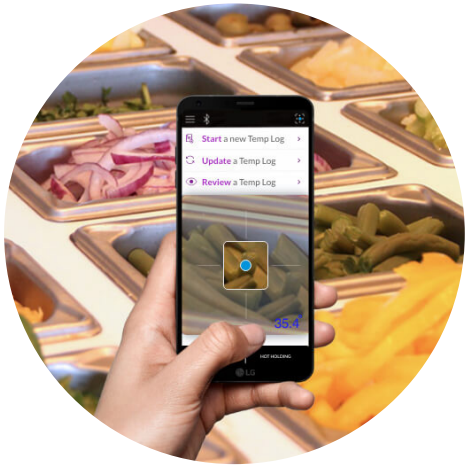
Play Store score:
4.7 (615k reviews)

App Store rating:
4.8 (688k reviews)

Discover our latest insights

Case study

Setting up an IoT-powered ecosystem for food safety In QSRs



The background

In the food industry, maintaining proper food storage temperature is essential for safe, compliant, and uninterruptable operations. Traditionally, this process relied on time-consuming and error-prone manual checks that lacked centralized oversight.

With 35,000+ locations globally, our client, one of the world's largest quick-service restaurant chains, sought to digitize and streamline the process from start to finish. The goal was not just automation but also building a broader IoT ecosystem that delivers continuously evolving and tangible value across every facet of operations.

The challenge

There were several key hurdles to address that could potentially lead to foodborne illness, reputational damage, and financial loss, including:

- **Manual temperature checks and logging** were inefficient and inconsistent.
- **Human errors and omissions** in data entry compromise accuracy and compliance.
- **Lack of real-time visibility** hindered fast decision-making and compliance monitoring.

What we did

We developed a comprehensive IoT ecosystem that combines smart hardware, software, and real-time data. Its highly integrable nature with other systems enables IoT-generated data to drive speedy and effective decision-making. The ecosystem is built on the following core capabilities and components:

Smart IR thermometer design and manufacturing

We designed and manufactured an innovative infrared thermometer that adjacently mounts to a smartphone's camera. This setup supports AI-powered image recognition and automatic temperature capture without manual input. The communication between the thermometer and the phone is secured with industry-standard encryption and authentication protocols.

Comprehensive IoT infrastructure

Also integrated into the ecosystem are third-party devices, such as fridge and freezer sensors, creating a unified and scalable solution. This interoperability results in smooth data flow and device communication across all locations.

Discover our latest insights

Notifications engine

We created a fully customizable notifications engine that sends real-time alerts to prompt swift interventions when anomalies occur.

Dynamic workflow engine integration

The system integrates with a dynamic workflow engine that automates corrective actions based on temperature readings and safety protocols. This allows for adaptable and automated responses to deviations while maintaining food safety with minimal staff intervention, thanks to clear documentation outlining each step.

Reporting and compliance tool

We developed a reporting tool that generates regulatory and compliance reports tailored for different roles. These reports align with FDA and Food Safety Modernization Act standards, helping the chain meet stringent industry regulations.

The impact

- **Enhanced accuracy:** automated monitoring drastically decreases errors and improves data reliability.
- **Operational efficiency:** streamlined workflows minimize time spent on temperature checks and logging.
- **Improved compliance:** real-time monitoring and reporting uphold strict adherence to food safety regulations.
- **Fewer complaints:** improved processes and data accuracy reduce customer complaints.
- **Reduced losses:** quick interventions and better control over storage conditions minimize product waste and financial losses.
- **Scalability:** the system's flexible IoT infrastructure supports the integration of future devices and processes, accommodating the client's evolving needs.

Discover our latest insights

Case study

Updating an opt-in panel to a global modern insights mobile app



The background

A leading global data, insights, and consulting firm, wanted to elevate its online presence and create an intuitive user experience for all its users.
The firm's web-only proprietary opt-in research panel was already a well-established and popular attraction among organizations seeking to create insights-driven surveys. But, with its limited targeting capabilities and basic data analytics, the panel was reaching end-of-life status. That's when the firm saw it as the perfect opportunity to transform the panel into a native, modern, and scalable mobile application.

What we did

Our first order of action was to assemble and transplant a diversified team of engineers into the client's development ecosystem. In a short period of time, the team was able to:

- **Transition the panel from cross-platform implementation to iOS and Android**, resulting in faster loading times, improved accessibility, and a streamlined login process.
- **Implement a robust fraud detection system**, building up the client's process integrity.
- **Provide valuable analytics** to track the success rate of marketing campaigns through Meta and Google Ads.
- **Adopt the behavioral-driven development methodology** to deliver new releases every two weeks, granting testers ample time to provide feedback.
- **Create a continuous delivery system** that automatically builds and uploads Android and iOS apps to Google Play Store and Apple App Store, respectively, after getting scanned by third-party tools for code quality and license issues.
- **Add advanced analytics, instrumentation, and monitoring tools** to easily detect any problem, allowing for early investigation and issue mitigation in a speedy manner.
- **Enhance user targeting** through preference-based push notifications.
- **Introduce unit testing** to make sure the business logic is meeting our client's technology standards and always flowing as expected.
- **Integrate automated testing processes into the new app**, refining quality control and product stability, reducing regression issues, and enabling more efficient time and resource allocation.
- **Roll out advanced security features** in the mobile app to make it much harder for hackers to reverse engineer, use emulators or bots, or employ rooting tools to manipulate the survey-taking experience.

The impact

The mobile app was a massive success. It helped the client achieve expansion into 13 new markets. With the new features, the panel's performance has taken a giant leap forward, achieving the following:

+140%
increase in new app installs

-12%
decrease in monthly average users' loss rate

+99%
crash-free rate

Discover our latest insights

Case study

Transforming energy efficiency with IoT and AI



The background

In 2008, a US-based firm approached us with a bold vision: to revolutionize energy consumption for businesses through an Energy-as-a-Service (EaaS) model. Their outlook was simple yet ambitious: install energy-efficient systems and IoT devices in business facilities without upfront costs and then earn profit by taking a percentage of the energy cost savings that their systems generate.

The challenge

To make this model work, they required a comprehensive system capable of:

- **24/7 real-time monitoring** across thousands of locations
- **Optimizing energy use** for diverse environments
- **Predicting and preventing** issues using data insights
- **Protecting sensitive operational data** with robust security

This system also had to perform seamlessly in environments such as restaurants, retail stores, and healthcare facilities, and deliver measurable savings with minimal human intervention.

What we did

As a technology partner, we delivered solutions that integrated smart hardware, software, and AI, all with security embedded at every level.

IoT devices

We engineered over 13 connected devices to monitor and control energy use, with several earning US patents for their innovative designs, including:

- **Smart thermostats** for optimized HVAC control
- **Power meters** for precise energy tracking
- **Automated light switches** and in-wall outlets for efficiency
- **Centralized** site monitors for facility-wide management

Each device was custom-engineered, tested in our labs, and certified to meet various industry standards for reliability, safety, and compliance. Certifications included FCC for wireless transmission and UL and ETL for safety.
We delivered the entire scope of work, covering everything from device engineering to manufacturing, fulfillment, and after-market support, maintaining high quality and reliability throughout the project.

Software

Our software ecosystem brought these devices to life with features like:

- **Real-time alerts:** Notifications for events like temperature changes or equipment issues, enabling quick action.
- **Smart scheduling:** Automating energy usage based on occupancy or pricing to cut costs.
- **Energy analytics:** Tools to track trends and optimize performance with historical and real-time data.
- **Demand response:** Adjusting energy consumption during peak periods to reduce costs.
- **IoT fleet management:** Keeping all devices updated and performing optimally.
- **Edge processing:** Performing critical data analysis at the device level to reduce latency and enable immediate decision-making for tasks like load balancing and predictive maintenance.

This streamlined platform provided users with insights and tools to maximize efficiency and simplify operations.

Artifical intelligence

We are actively implementing AI-driven features to enhance decision-making and boost efficiency across the system, with capabilities like:

- **Predicting savings and usage trends** for better planning.
- **Detecting anomalies** in energy patterns to prevent waste.
- **A chatbot powered by large language models** (LLMs) to handle queries and process complex data.

Security

We embedded robust security measures into every layer of the system, including:

- **Regular firmware updates** to defend against evolving cyber threats.
- **Encrypted data transmission** to safeguard information.
- **Real-time device monitoring** to ensure operational health.

The impact

Our client's innovative EaaS model, deployed in over 10,000 locations, has transformed the industry:

- **Cost savings:** Customers reduced energy use by up to 30%, significantly lowering bills.
- **Sustainability impact:** Customers achieved annual carbon savings averaging 19%.
- **Patented innovations:** Several technologies we developed are now patented, further solidifying our client's market leadership.

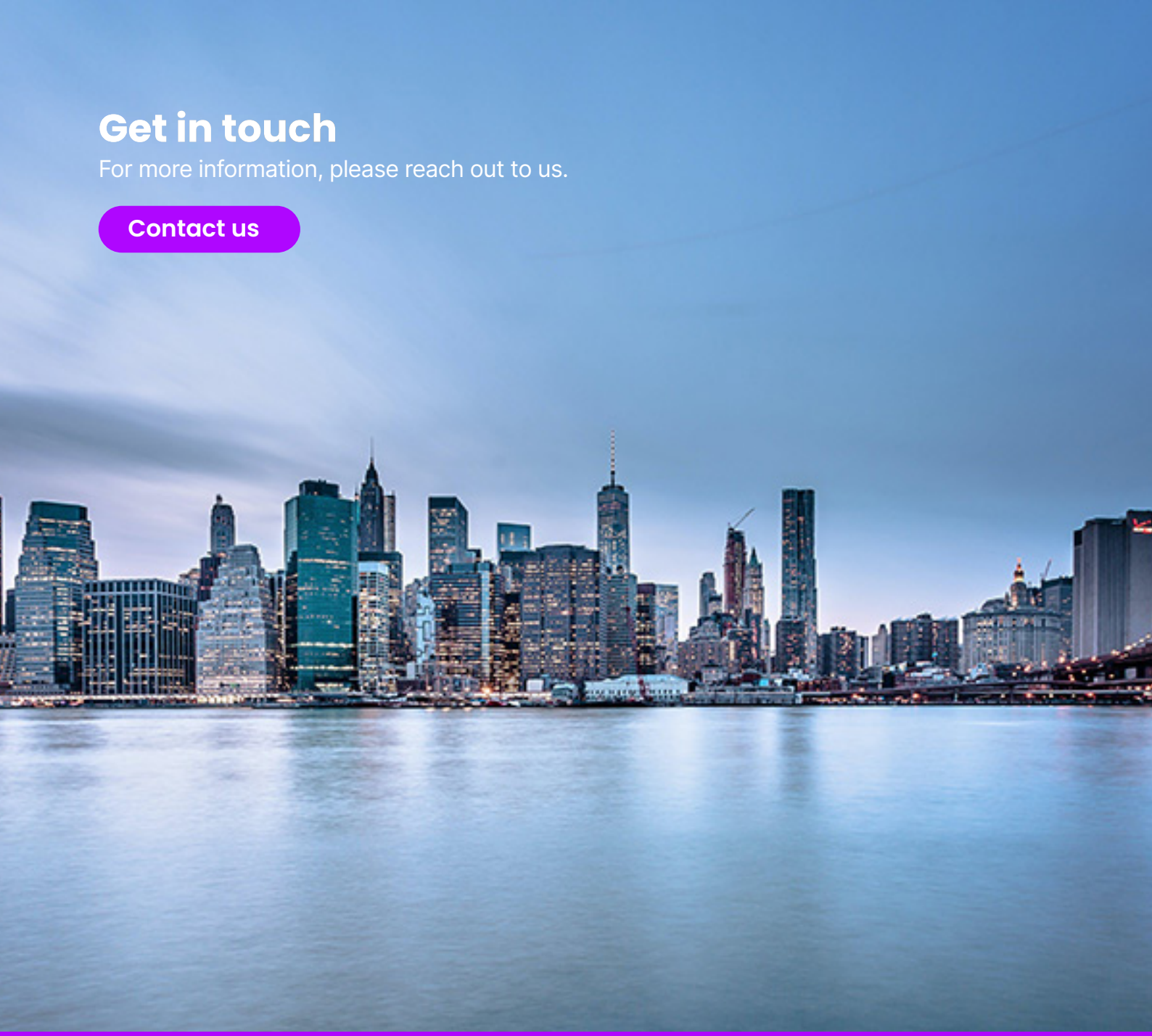
In 2024, our client is on track to nearly double their annual recurring revenue, almost reaching $200 million. Recognized as one of America's fastest-growing private companies, they partner with major brands to deliver energy savings and support large-scale sustainability goals. But it doesn't end here. Together, we're exploring new ways to innovate, refine, and push the boundaries of what's possible in energy efficiency.

Discover our latest insights

Get in touch

For more information, please reach out to us.

Contact us



Our offices

- **Clifton Myers Enterprises Inc.**
  17853 Santiago Blvd #107-471
  Villa Park, CA 92861
  United States

- **CME Argentina**
  San Martin 1175
  Godoy Cruz
  Mendoza, CP: 5501
  Argentina

- **Clifton Myers Enterprises**
  India Private Limited
  Galaxy A/10, NIBM
  Connect Road Kondhwa
  Pune 411048
  India

- **CME Offshore SAL**
  Beirut Digital District,
  8th Floor, BDD 1227 Block A
  Bechara El Khoury
  Lebanon

- **CME Fareast**
  Suite B, 18F., No. 303, Jingwange
  Qinglv Road South, Gongbei
  Zhuhal, Guangdong 519020
  China

- **CME Solutions AB**
  Vasagatan 16
  111 20 Stockholm
  Sweden

- **CME France SAS**
  9, rue du Quatre Septembre
  75002 Paris
  France

- **CME FZ LLC**
  Office 217, Bldg 13,
  Dubai Internet City,
  Dubai
  United Arab Emirates

We are a multinational enterprise offering premium end-to-end technology solutions and services. Over the years, we have helped more than 100 clients worldwide to become and remain leaders in their fields.

In practice, our expertise covers various disciplines, including Software Engineering, Artificial Intelligence, Data and Analytics, the Internet of Things, and UX/UI Design.

By developing scalable and forward-thinking projects, we accelerate digital transformation for businesses and organizations to achieve operational excellence, improve customer engagement, and unlock new growth opportunities.

Our proven track record of success spans multiple industries, including Consumer Goods, Education, Food, Healthcare, Hospitality, Insurance, Market Research, Retail, Sustainability, Telecom, and Utilities.

More than 40% of our yearly revenue is generated from iconic brands, including Fortune 500 companies. To date, we have contributed to 8 US patents.

With 350 large-scale projects delivered, our teams of highly skilled engineers, creative thinkers, and industry-specific experts operate from 8 locations around the world. Moreover, our 5-year average employee tenure reflects an innovative culture that attracts and retains top talent.

CME serves 80 million users every day!

gotocme.com

Copyright CME 2025