

Healthcare Expertise

Proven Leader in Engineering, Design and Consulting Services

Michael Baker International has been solving some of the world's most complex built environment challenges for 85 years with a legacy of expertise, experience, innovation and integrity.

Our more than 4,900-person full-service engineering and consulting firm boasts experience deeply rooted in technology and innovation. We specialize in cradle-to-cradle digital transformation and operational efficiencies for the built environment. Our goal is to help clients maximize asset performance, reduce operational costs and increase operational efficiency.

Michael Baker's Integrated Design and Advisory (IDA) business vertical has the Healthcare expertise to meet your project's needs. We are a leading provider of full-service engineering, design and consulting services for federal and commercial clients.

Michael Baker provides the following benefits:

- Subject matter experts on a wide range of healthcare core capabilities and service lines
- Local capabilities leveraging national expertise
- Diverse experience in patient care, medical office buildings, long-term care, research and telemedicine facilities
- Capabilities in life sciences and lab facilities
- Technology integration, artificial intelligence and planning services
- Focus on resilience, sustainability and risk management
- Experience in critical and emergency power systems

Contact



Tricia Quinn
Vice President, Healthcare
P: 407-562-4146
E: tricia.quinn@mbakerintl.com



Michael Baker
INTERNATIONAL

We Make a Difference

SERVICES

Advisory Services & Planning

- Program & Project Management
- Site & Facility Master Planning
- Feasibility Studies
- Design & Construction Planning
- Smart Buildings Design & Analysis
- Strategic & Operational Planning
- Capital Investment Strategies & Planning
- Post Occupancy Evaluations
- Organizational Assessments
- Interactive Planning/Charrettes
- Programming (Micro & Macro)
- Workplace Optimization
- Change Management
- Business Continuity Planning
- Risk Management
- Asset Management
- Move Management

Cybersecurity & Technology

- Smart Buildings
- Systems & Building Controls
- Cybersecurity
- Artificial Intelligence
- Buildings System Network & Architecture
- Security Design
- ICT Low Voltage Systems
- Technology Master Planning & Visioning
- Digital Twin
- Data Centers
- System Resilience
- Business Continuity Planning
- Technology Consulting

Fire & Life Safety

- Life Safety-Compliance Requirements & Code Consulting
- Specialty Systems (Clean Agent)
- Consulting, Inspections, Testing & Commissioning
- Fire Protection Design & Condition Assessments
 - Calculations & Specifications
 - Fire Water Supply Design
 - Fire Alarm System & Mass Notification System Design

MEP, Structural & Commissioning

- Patient Care Facilities-Outpatient/ Medical Office Buildings
- Critical & Emergency Power Systems
- Telemedicine Facilities
- Medical Research Facilities
- Veterinarian Facilities
- Senior Care/Long-Term Care/Memory Care
- Labs
 - Clean Rooms
 - Diagnostic Spaces
 - Specialized Spaces
- MEP Compliance Requirements
- Optical Centers
- Structural Design
- Seismic Design

Resilience & Sustainability

- Decarbonization & Net-Zero Strategies
- Economics & Finance Services
- Energy & Water Use Efficiency Audits & Strategies
- Energy Transition Planning
- High-Performance Build Solutions
- Microgrid & Distributed Energy Solutions
- Nature-Based Solutions
- Renewables & Portfolio Transition Solutions
- System Optimization
- Transportation Evolution & E-mobility Solutions
- Vulnerability Assessments & Action Planning

Visit mbakerintl.com to learn more about our services.

SECURE INTELLIGENT SOLUTION FOR HEALTHCARE FACILITIES

With the increase of cyber-attacks and growing interoperability of intelligent building systems, it's critical for healthcare facility owners and managers to implement top-tier, best-in-class cybersecurity strategies. Set your assets up for success by protecting your building systems from cyber-attacks, safeguarding patient data, reducing risks, and minimizing downtime and operational costs.

Our seasoned team of operational technology (OT) cybersecurity experts have years of experience in technology, security and healthcare facilities and systems to help you create a thorough cybersecurity plan. Our approach offers full life-cycle support, including knowing your systems and controls, understanding how assets are connected and instilling proper controls. We prioritize operational resilience in our design and maintenance efforts, fortifying buildings to withstand new threats and maintain the functionality you demand.

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Sharp Rees-Stealy Rancho Bernardo San Diego, California

Michael Baker was involved in the construction of a 100,500-square-foot shell, core, and site work for the new 3-story Sharp Health Care Medical Office Building Structure. This included the development of surface parking for 500 vehicles to accommodate the needs of patients and staff. The new development enhanced healthcare infrastructure and provides a modern, efficient facility for the community.

University of Texas MD Anderson Hazmat Pharmacies

Multiple Locations

The University of Texas MD Anderson project focuses on Hazardous Drug Handling and the implementation of advanced Pharmacy control systems and air flow analysis. Michael Baker's goal was to meet USP 797 & USP 800 Standards by utilizing Fan Filter Units (FFUs), Air Handlers (AHUs), and Filtration systems to ensure a safe and compliant environment.



Central Energy Plant Design, VA Gulf Coast Healthcare System

Biloxi, Mississippi

A critical infrastructure project for the replacement of the central energy plant was designed to fully meet the cooling needs of the expansive 100-acre campus. A security-hardened 18,000-square-foot plant building, complemented by a 10,000-square-foot enclosed chiller courtyard, is equipped with significant backup infrastructure, including fuel and water storage providing a secure and reliable operating environment, supporting the critical operations of the VA campus.