

Michael Baker

INTERNATIONAL

Integrated Design & Advisory (IDA)

Michael Baker International's Integrated Design & Advisory (IDA) vertical brings together planning, architecture, engineering and strategic advisory services to deliver seamless, end-to-end solutions tailored to each client's business goals and project vision. By uniting all that Michael Baker has to offer through our diverse expertise under one roof, we streamline collaboration, tackle complex challenges with precision, and ensure stakeholder alignment from concept through completion.

SECTORS SERVED

- Advanced Manufacturing
- Aerospace
- Aviation
- Corporate
- Defense Contractors
- Federal DoD & Civilian Agencies
- Healthcare
- Higher Education
- Industrial
- Life Sciences
- Mission Critical & Data Centers
- Rail & Transit (Transportation)
- State & Local

We Make a Difference

SMART. STRATEGIC. SEAMLESS.



InterContinental San Diego Hotel | San Diego, California

WHY WE STAND APART

Holistic, Integrated Approach

Our team bridges both private and public sectors – ensuring responsive delivery and value across commercial industries as well as federal, transit and aviation markets.

Full Life-Cycle Services

We can handle all aspects of a project – from early strategy and planning, through design and engineering, to support during construction and commissioning, as well as asset management, smart building and infrastructure solutions.

Technology-Driven Excellence

We leverage modern, data-driven tools and sophisticated models – combined with expertise in technically complex facilities – to provide the best, high-quality solutions.

Robust, Agile, Inspired

Our size allows us to deliver a full spectrum of multi-disciplinary services and resources while staying nimble and responsive – big enough to support, small enough to adapt to our clients' evolving needs.

CONTACT

Pankaj Duggal, AICP, AIA-IA
President, Integrated Design and Advisory
P: 703-338-4653
E: pankaj.duggal@mbakerintl.com



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ARCHITECTURE & DESIGN

Architecture

- Integrated planning, design, engineering and programming to deliver holistic and resilient building and space solutions, including LEED® and WELL Certified™ designs.

Interior Design

- Providing workplace solutions, blocking and stacking analysis, furnishings and fixtures selection and specifications, space planning and wayfinding services.

ENGINEERING DESIGN (MEP+S+FP)

Mechanical Engineering

- Designing heating, ventilation and air conditioning (HVAC) systems, as well as other mechanical systems in a building.

Electrical Engineering

- Designing power supply networks, on-site power generation, lighting systems and other electrical infrastructure for buildings.

Plumbing Design

- Designing plumbing and water supply systems for buildings and sites, water conservation measures, wastewater and wastewater reclaim/reuse systems.

Structural Engineering

- Engineering building structures for diverse environments, including high seismic zones, regions exposed to extreme wind and typhoon conditions, highly corrosive coastal or industrial settings, and flood-prone areas.

Fire Protection Engineering

- Offering a range of fire protection design, code compliance and system testing and commissioning services.

Specialty Services

- **Life Safety Systems:** Ensuring buildings have features that protect occupants during emergencies, such as clear evacuation plans and alarm systems.
- **Acoustics:** Designing spaces with sound control in mind.
- **Security & Telecom Systems:** Designing building security systems, such as surveillance, access control and telecommunications networks (internet, phone systems) within a facility.
- **Energy Modeling:** Analyzing and predicting a building's energy use through computer models.

ADVISORY

Strategic Consulting & Planning

- Helping clients define project goals, economic and capital investment strategies, and long-term plans, including providing facilities planning, master planning and programming services.

Federal Planning

- Providing specialized planning services to meet federal government requirements or to navigate government project processes.

Cybersecurity & Building Controls

- Ensuring that the technology and control systems in buildings are protected against cyber threats.

Resilience Consulting

- Focusing on business operations continuity, emergency response, disaster recovery and energy resilience to prepare for and respond to unforeseen events.

Emergency Response & Disaster Recovery

- Preparing organizations to handle emergencies, such as developing emergency response plans or designing features that aid in quick disaster recovery, as well as consulting on how to respond after events to get operations back to normal.

Cost Management

- Keeping the project on budget by planning costs, monitoring spending and making recommendations to ensure financial efficiency without compromising quality.

Commissioning

- Systematically checking that all building systems are installed and functioning as intended before the project is considered complete.

Program Management & Construction Support

- Acting on the owner's behalf to manage the overall program or multiple projects.

Digital Solutions

- Utilizing advanced technologies, including:
 - Building Information Modeling (BIM) to create detailed 3D digital models of the project.
 - Digital twins for virtual replicas to simulate real-world performance and help owners monitor and manage a facility throughout its life cycle.
 - Smart building technologies for data-informed systems and asset management.