Who are these guys?

PIE! THE NAME INVOKES THOUGHTS OF A DELICIOUS DESSERT.
The best pies result from working with a proven recipe and using the best ingredients, with a gifted baker bringing it all together. In the same way, Pie Consulting & Engineering offers the right ingredients of people, talent, culture, and integrity in all we do.

Whether involved with building condition assessments and forensic investigations, or consulting on renovations and new construction, we offer unsurpassed quality in achieving the Pie Standard of Excellence.

No matter how complex your project may be, if you want an innovative consultant who offers seamless, responsive service, working with us is as easy as Pie!

“Pie’s professional approach to our projects is outstanding. They are always there for us when we have questions and definitely go beyond the expected. We consider them a valuable member of our team and a trusted advisor.”

Jim Drago
Sundt Construction

WHAT WE DO
• Enclosure Consulting & Commissioning
• Forensic Engineering
• Field Performance Testing
• Construction Consulting
• Repair & Rehabilitation
• Litigation Consulting

A PROVEN RECIPE

The right ingredients.
IN HAVING TOUCHED THE OUTER BANKS OF THIS GREAT COUNTRY then stepping beyond and finding opportunities internationally, we are PIE Global. PIE’s corporate headquarters is located in Denver, Colorado, at the base of the Rocky Mountain foothills. With additional offices and staff in Minneapolis, Austin, Dallas, Daytona Beach, Kansas City, and San Francisco, PIE is positioned to serve clients throughout the U.S. Our geographic range extends internationally with projects in South Korea, Canada, in the South Pacific, and all around the globe including the new U.S. Embassy building in Bishkek, Kyrgyzstan.

“Thank you for your technology innovation by introducing building air tightness and pressure testing to Army facilities worldwide. The U.S. Army is the first major U.S. building owner to require continuous air barriers with a maximum leakage. This requirement will improve occupant health, comfort, and productivity in their new and retrofit buildings. Your efforts reflect a high level of competence, dedication, and professionalism and are a credit to yourself and the U.S. Army. I thank you for a job well done!”

Katherine Hammack
Assistant Secretary of the Army – Installations, Energy and Environment

Bishkek, Kyrgyzstan

Kwajalein Atoll, Building 5050, Marshall Islands

Central Campus, Kennedy Space Center, FL
NO TWO PIES ARE ALIKE. In the same way, buildings vary from one another based on their use or mix of uses, whether entirely new construction, a renovation, or an addition to an existing facility. Today’s building enclosures are more complex in design and construction, which compounds the challenges and requires a broader commitment to quality assurance.

With increasing demands for durability, energy efficiency, and cost-effectiveness, Pie’s enclosure consulting and commissioning (BECx) expertise provides a critical, value-added service to each and every project.

NO TWO PIES ARE ALIKE.

Enclosure Consulting and Commissioning

KEY SERVICES
- Building Enclosure Commissioning (BECx)
- Pre-Design Consultation and DPR Development
- Design Charrette Assistance
- Technical Peer Reviews of Drawings and Specifications
- Hygrothermal Roof and Wall Analysis (WUFI®)
- 2-D Thermal Continuity (THERM®)
- Submittals and Shop Drawing Reviews
- Pre-Construction Meetings and Training Seminars
- Verification Plans and Checklists
- Field Mock-Up and In-Situ Performance Testing
- Construction Observations and Reporting
- Construction Phase Meetings
- Operations and Maintenance Manuals
- As-Built Condition Assessments

“... "The Denver Police Crime Lab has a striking, faceted envelope that has a tremendous amount of ‘behind the scenes’ magic to keep it dry, yet elegant. Pie’s involvement continued through the testing phases, which proved-out the design team’s hard work. We sleep better whenever we’re teamed-up with the like-minded professionals of Pie..."”

Matthew Calkins, P.E. Vice-President
JR Butler, Glazing
CLAIM INVESTIGATIONS require the ability to take complex matters and simplify them into manageable recommendations. Pie understands your need to complete a claim investigation accurately and efficiently. Whether it’s damage caused by significant weather events such as wind, water, hail, snow or tornadoes, Pie’s analysis will be timely, precise and complete to expedite the claim adjustment process.

Our services extend beyond the forensic analysis phase into the remediation and repair phase of large loss claims. Pie’s staff has decades of experience in rehabilitation design, construction management and project oversight to ensure the loss is restored in a timely and cost-effective manner without sacrificing quality. With a deep-rooted and in-depth understanding of building codes and constructability, we provide practical solutions that contractors can follow as a recipe for success!

- Structural Engineering
- Roof Evaluation and Testing – Commercial and Residential
- Catastrophe Response – Large Loss
- Building Envelope – Water Intrusion
- Metallurgical/Explosion/Material Failure Analysis
- Mechanical Engineering
- Wildfire Investigation
- Civil/Site Grading Analysis
- Construction Compliance Analysis
- Repair Design and Construction Management
- Damage Cost Engineering
- Appraisal/Umpire Representation
- Builder Risk Claims

“So far everything is perfect. There’s a reason Pie is my go-to whenever I need an engineer. I look forward to using Pie every time I need an engineer in the future.”

Confidential Client
Outside Claims Representative

Catastrophe/Large Loss Response, Hurricane Katrina

Wind and Hail Damage Evaluation, Council Bluffs, IA
AS ONE OF THE FEW NATIONALLY RECOGNIZED building enclosure consultants, Pie self-performs its entire range of enclosure field testing services. This experience informs comprehensive design decisions and enhances field quality assurance during enclosure systems installation. Our turn-key process can assist in mitigating costly re-testing that may occur with consultants who don’t offer these services as part of an in-house/comprehensive solution.

The blending of these related capabilities ensures a seamless process and a high level of quality assurance resulting in building enclosure performance you can trust. Pie’s in-house testing capabilities meet all the requirements to satisfy fundamental and enhanced commissioning of the building enclosure.

**KEY SERVICES**

- Air Infiltration Testing (Curtain Walls, Storefronts, Façades)
- Water Penetration Testing (Curtain Walls, Storefronts, Façades)
- Whole Building Air Leakage Testing
- Infrared (IR) Thermography
- Electronic Leak Detection Testing
- Building/Zone Pressure and Humidity Studies
- Sealant Adhesion Testing
- Coating Adhesion Testing
- Masonry Wall Water Leakage/Drainage Testing
- Air Leakage Diagnostics (Smoke Tracer, IR Methods)
- Water Spray Testing
- Roof Wind Uplift Resistance Testing
- Flood Testing Horizontal Waterproofing Installations
- NFPA and Critical Enclosure Integrity Testing
- Concrete Moisture Content Testing
- EIFS Cladding Wind Resistance Testing

“Pie is one of the most professional consultants we’ve ever worked with. Great communication and flexibility with a very tight schedule, and comprehensive envelope testing and reporting that will serve our school district for years to come.”

Stu Reeve
Poudre School District, Fort Collins, CO
BAKING A PIE IS FUN. But taking all day to do it? Not so much. When it comes to processing a claim, you haven’t got all day either. Pie’s construction consultants use systematic methods to ensure your loss claim is assessed effectively, efficiently, and to your expectations.

We believe effective claims handling begins and ends with continual communication between our staff and our client. Regardless of the claim size or situation, we guarantee timely, on-site reporting and delivery of expert opinions.

Construction Consulting

• Building Damage Evaluation
• Cost Estimating
• Mitigation Management
• Clerk of the Works
• Builders Risk Claims
• Construction Scheduling
• Forensic Structural Engineering
• Building Code Upgrades
• Damage Segregation by Peril
• Wind/Hail/CAT
• Fire/Flood/Smoke/Water

“Pie’s staff was very responsive to our needs following the Joplin, Missouri tornado. They quickly contacted the insureds, scheduled site observations, and continually communicated to us the status of their investigations. Pie was instrumental in handling claims for clients in a way that made a very difficult situation surprisingly manageable.”

Bill Chaney Jr., Catastrophe Adjuster, V.P. of Field Operations
Pacesetter Claims Service
THINK ABOUT THAT LAST SLICE OF PIE. It’s a reminder of all that remains from what used to be. Such reminders are much more distressing when they adversely affect properties and remove people from the normalcy of their everyday lives.

Pie’s repair and rehabilitation services are specifically tailored to address a wide variety of design and construction deterioration, defects, and failures. In serving projects across the country, Pie has the proven expertise to diagnose repair needs.

Our ability to clearly present project sequencing, coupled with our technical capability to advise on costs, provides seamless service at a time when performance matters most. Ultimately, our common purpose is to help put properties and lives back to where they are whole again.

Your brand of service is why we are very happy and fortunate to have Pie on our team. Thank you and I will continue to be an advocate for Pie on future projects.

Jeff Jensen, LEED AP
Jensen Consulting

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KEY SERVICES
- Designer of Record
- Owner’s Representative Services
- Building Envelope and Enclosure
- Structural Diagnosis and Analysis
- Repair, Retrofit and Rehabilitation Design
- Historical Façade Repair and Rehabilitation
- Disaster Response Shoring and Repair Design
- Construction Vibration Monitoring and Reporting
- Construction Phase Quality Assurance
- Construction Management and Administration
- Third Party Technical Design Review
- Building Code Upgrade Analysis and Consulting
- Pre-Condition and Post-Condition Assessments
- Engineering Support for Litigation

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Repair & Rehabilitation

Masonry Façade Replacement Design
SOME PIES HAVE A SECRET INGREDIENT. You may like the taste, but can’t quite put your finger on what it is.

What’s needed is a well-defined palette honed by years of experience. In many ways, this describes the litigation consulting services that Pie offers. The secret ingredient in the services we provide is being informed by years of industry practice.

We apply this knowledge and experience in enclosure consulting, forensic engineering, rehabilitation design, and construction management to interpret the technical aspects of each investigation.

We know that clients require complete, accurate, and timely information to build or defend their case. Pie brings the secret ingredient to light by offering clear, concise conclusions substantiated by our experience and expert testing and analysis.

**KEY SERVICES**
- Expert Witness Testimony
- Structural Engineering
- Roof Evaluation and Testing – Commercial and Residential
- Building Envelope – Water Intrusion
- Appraisal Representation and Expert Testimony
- Neutral Umpire
- Construction Delays and Cost Overruns
- Mechanical Engineering
- Pyrotechnic “Firework” Accident Investigations
- Wildfire Investigation
- Personal Injury/Building Code Analysis
- Civil/Site Grading Analysis
- Construction Compliance Analysis
- Repair Design and Construction Management
- Builder Risk Claims

“The main reason I continue to use Pie is that I know the claim will be taken care of promptly, professionally, and without bias. Basically, I do not need to worry about it anymore.”

Construction Attorney
Minneapolis, MN

Litigation Consulting
WE WORK HARD, AND WE PLAY HARD TOO. Our culture allows us the best of all things. We take our jobs seriously, but also blend in a steady diet of fun. We celebrate our shared success and align ourselves in common purpose to a life balance that nurtures the mind, body, and soul. Whether a company event with our families, an outdoor adventure with our clients, or for a charitable activity such as our annual Cherrity Pie Festival, we enjoy the ride in everything we do.

Inspired by our values, we perform and play at a higher level. We give our clients an experience of listening, of understanding their needs and serving them, simply delivered through a vehicle we call Pie Consulting & Engineering.

Enjoy the Ride.

OUR VALUES
- Ownership
- Integrity
- Respect
- Optimism
- Community

“What an awesome day on Friday. I still have a grin that won’t go away. Thanks for taking such good care of our team!”

Nathan Wilks, Project Manager
Saunders Construction
One Pie. Many Ingredients.

Our values of ownership, integrity, respect, optimism and community are what ground us and guide our resolve. We use these values in our daily work and life. Beyond our technical expertise, we apply our values in everything we do. Our clients enjoy a trusted relationship that is focused on their success.