

# Cognascents Consulting Group, Inc.



SAFE OPERATION  
OF YOUR  
PROCESSES AND  
ASSETS

**OUR GOAL.**

# TABLE OF CONTENTS

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1

Who is Cognascents?

2

What Do We Do?

3

Who Do We Serve?

4

Why Are We Different?

5

How Can We Help You?

DOING IT RIGHT  
ISN'T JUST OUR  
JOB.

**IT'S OUR DUTY.**



# WHO IS COGNASCENTS?

Cognascents is an established multi-disciplinary engineering organization with expertise across the energy and chemical spectrums.

For over a decade, we have provided process engineering, process safety, risk management, asset integrity, and technical business solutions. We work with leading organizations by perpetually seeking ways to address their technical challenges and leveraging our deep functional and industry expertise. We offer insight, share perspective, and engage in ongoing dialogue to advance our industry and give back to our community.

At Cognascents, we believe that authentic awareness and relentless achievement are cardinal to the pursuit of integrity, balance and transcendence. We pledge unwavering loyalty to our employees, clients, and community and strive for the greatest familial, patriotic, societal, and environmental relevance.



Established in 2010



40+ Specialists



300+ Projects



1000+ Volunteer Hours



Our logo is a graphical depiction of our existence statement and overall approach to *cognascents*. It combines the international symbol for the center of gravity with an upwards arrow. Quite simply, our logo means you must find your center of gravity before attempting to stand up straight and build yourself up.

Cognizant \käg-nə-zent\ — Knowledgeable about something especially through personal experience

Ascent \ə-'sent, a-\ — The act of rising

Our name represents an ascent to a higher standard of excellence. This ascent is only possible after achieving cognizance of one's own strengths and vulnerabilities. This dynamic and ever-changing state of existence is **COGNASCENTS**.



# WHAT DO WE DO?

We help people and organizations achieve competitive sustainability through our engineering services and technical solutions. Our in-house resources have proven competence in the following areas:



## Process Safety

Cognascents provides process safety services across the upstream, midstream, downstream, and chemical sectors. Our engineers are trained in chemical and mechanical engineering fundamentals.

Our extensive experience with varying operating environments, PSM programs, and work processes affords us a unique cost-effective approach.

### Our process safety services include:

- Management of Change support and action items resolution
- Operating procedures generation
- Process Hazard Analysis facilitation
- Process Safety action item resolution
- Process Safety Information generation and update
- PSM/RMP program assessment or audit
- Relief valve sizing and flare system analysis
- Technical safety studies
- Customized training program



## Risk Management Plan

Cognascents helps clients develop, implement and sustain comprehensive risk management plan policies and protocols. Our services are tailored for the type of facility (Program Level 1, 2, or 3) in accordance with the provisions of the RMP rule. Our engineers have extensive experience with a variety of facilities and industries.

### Our risk management plan services include:

- Hazard assessment
- Program elements policy documentation development and training
- Program assessment and audit Customized training program



## Training

Cognascents offers training on our core business and technical service offerings. Standard learning and training techniques, hands-on examples, and role-playing workshops are incorporated into the courses where appropriate. Extensive and comprehensive training material is provided with each course for easy reference while on the job.



## Process Engineering

Cognascents provides process engineering as the primary or lead discipline firm on small to mid-size capital projects. Our team can provide supplemental process engineering support to facility-specific process modification efforts.

Our experienced process engineers understand the bigger picture. Our first hand knowledge of the energy and chemical sectors makes us an expert from concept through start-up and operations support.

### Our process engineering services include:

- Alarm rationalization
- Energy optimization studies
- Feasibility analyses for conceptual designs
- Heat and Material Balance generation
- Piping and Instrumentation Diagrams and Process Flow Diagrams development
- Process Safety in Design
  - Design philosophies and narratives generation
  - Relief and blowdown design
  - Process Hazard Analysis facilitation
  - Verification services



## Asset Integrity

Cognascents applies proven methodologies to evaluate, optimize, and manage the integrity of assets across the energy industry. Our mechanical and materials engineering professionals are trained to deliver simple and practical asset integrity solutions.

### Our asset integrity services include:

- Corrosion studies or Corrosion Control
- Documents generation
- Fitness-For-Service
- Integrity assessments
- Inspection program implementation and planning
- Integrity Operating Window
- Mechanical Integrity program assessment or compliance audit
- Risk-Based Inspection program development
- Antea™ Platform Technology Partner

# WHO DO WE SERVE?

Cognascents pledges unwavering loyalty to its clients and strives for greatest familial, patriotic, societal, and environmental relevance.

## Our Clients

Cognascents works with a wide range of organizations in the energy and chemical industries, and many of them rank among the industry leaders in their market segment. We also serve small to midsize asset operators who value developing long-term partnerships.

- 220+** Upstream production assets
- 35+** Midstream processing assets
- 70+** Petroleum refineries
- 50+** Specialty chemical facilities
- 35+** Projects with EPC companies



## Facts and Figures

**17+**

### Pressure Relief Analysis:

Average number of years of experience our process engineers have applying API 520, 521, and 2000 engineering practices.

**70+**

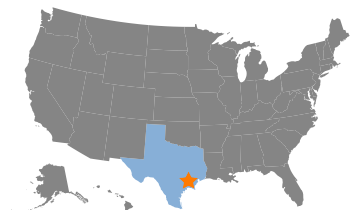
### Risk-Based Inspection:

Average number of RBI programs our asset integrity staff has implemented or supported.

**65%**



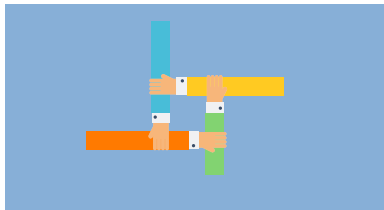
of our staff has participated or led a Process Hazard Analysis (PHA) workshop.



Headquartered in  
Houston, Texas

# WHY ARE WE DIFFERENT?

Our points of difference are the integrity, competency, and loyalty of our people, in combination with our fair pricing strategy.



## Integrity

We conduct ourselves and our business honestly and respectfully, and do our best to serve our clients and community through expert engineering, process safety, environmental, asset integrity, and technical business solutions.



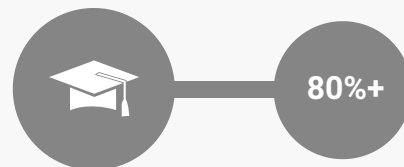
Higher return due to project execution model of reduced cost through resource mix optimization and process efficiency

## Competency

We are an established organization of process and asset integrity engineers with multi-disciplinary experience guided by supportive, reputable leadership team with deep expertise. We offer insight, share perspective, and engage in ongoing dialogue to advance our industry and give back to our community.



The percentage of our professionals who hold at least a B.S. in their engineering field of choice.



## Loyalty

We pledge unwavering support and reliability not only to our clients and coworkers, but also to our families and communities. We strive to perform faithfully, dutifully, responsibly, and consistently--without hesitation.



Proven track record and a pricing strategy which leaves our clients feeling more than satisfied. We provide practical and realistic estimates for each scope, and we work diligently at ensuring client satisfaction.

# HOW CAN WE HELP YOU?

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Cognascents is a full service engineering and management consulting firm that helps people and organizations achieve competitive sustainability.

We have decades of industry experience that we put to work optimizing your organization. As an independent resource, we bring an outside perspective to help you pinpoint areas where you can improve safety, risk management, efficiency and cost-effectiveness. Ultimately, we help you ensure everyone goes home safely at the end of the day.

For detailed information on any of our services, please reach out. We are here to serve.

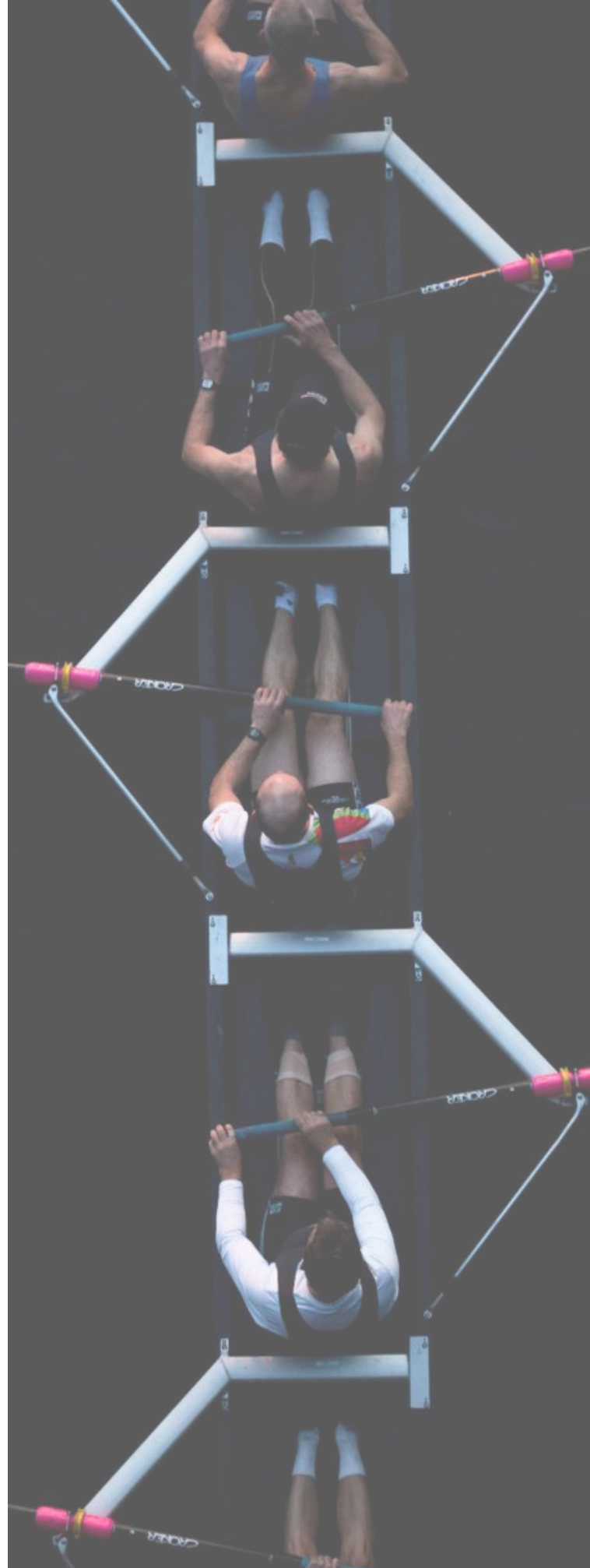


Let's work together.

**For more questions, reach out to:**

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