



EMPYREAN

Energy. Excellence. Empyrean.

Empyrean is a management consulting and technical services firm focused on the energy market.

SMR and Advanced Reactor Support Services

Reactor Concepts

- Small Modular Light Water
- Advanced Water-Cooled
- Non-Water-Cooled
- Molten Salt and Fluoride Salt-Cooled High Temperature
- High-Temperature Gas
- Gas-Cooled Fast
- Sodium-Cooled Fast

Fuel Types

- HALEU
- TRISO
- Conventional Fuel/ATF

U.S. and Canada Experience

Founded in 2000

Industry Focus: Nuclear

Location: Pittsburgh, PA

DUNS: 02-434-6079

CAGE Code: 1VKM9

NAICS Codes: 541330 (Primary),
541340, 541360, 541611, 541618,
541620, 541690, 541990, 561320

Equal Opportunity Employer



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Director of **Business Development**

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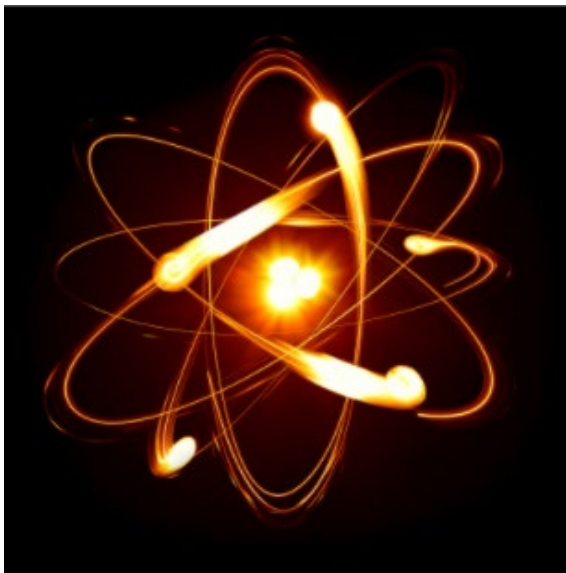
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Advanced Reactor Consulting Team (ARCT)

- PhD, MS level education; decades of experience
- US and Canada Regulatory and Government Experience (including NRC, DoD, DOE)
- Technical Expertise
 - Small Modular Reactors
 - High Temperature Gas Reactors
 - Molten Salt Reactors
 - Liquid Metal Cooled Fast Reactors
- Nuclear Fuel (HALEU/TRISO)
- Research and Development Experience
- ISFSI/Waste Disposal and Decommissioning



Key Support Areas

- Licensing
- Siting/Environmental Analysis/EIR
- US and Canadian Regulatory Affairs
- NQA-1/QA Program Support
- Human Machine Interface/Human Factors Engineering
- Systems Engineering/Systems Integration
- Commercial Grade Dedication
- Configuration Management/Requirements Management
- Civil/Structural Engineering
- I&C Engineering
- Thermal Hydraulics
- PRA/Severe Accidents and Safety Analysis
- Procedure Development
- Project Management
- Project Controls
- Program Management
- Supply Chain and Logistics
- Vendor Audits/Source Surveillance



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DEFINE SCOPE, DELIVERABLES AND SCHEDULE

Conventional Approach

Empyrean Approach

Use of EOC or specialized consulting firm

Use of Empyrean for managed task and/or staff augmentation

- + Perceived access to large resource pool
- + Perception of large corporation's backing
- Scope creep
- Budget increases
- Lack of control over resource allocation and utilization of specific skills/consultants
- Lack of on-going oversight
- Element of surprise at end of task

- + Client-approved resource allocation
- + Budget and schedule control
- + Performance measured against Empyrean proposed work hours and on-going oversight
- + Use of client processes and procedures (if staff augmentation)
- + Client-approved skill utilization
- + Mid-term course correction, if needed
- + Continuous performance monitoring and therefore no surprises