



ADSC & ASFE
***DEVELOPING MUTUAL BENEFIT BY
ALIGNING RESOURCES & EFFORTS***

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Overview

- Current state of affairs
- What is the ADSC?
- Respective Interests and Goals
- Commonalities between ADSC and ASFE
- What can we do together?
- Why should we work more closely together?

Where are we now?

- Varied project delivery mechanisms
- Blurred lines – between design/construction
- More complexity – projects, equipment, etc.
- Sped up time schedules
- More uncertainty and risk (and risk shifting)
- Fewer funds...Politics...Perception

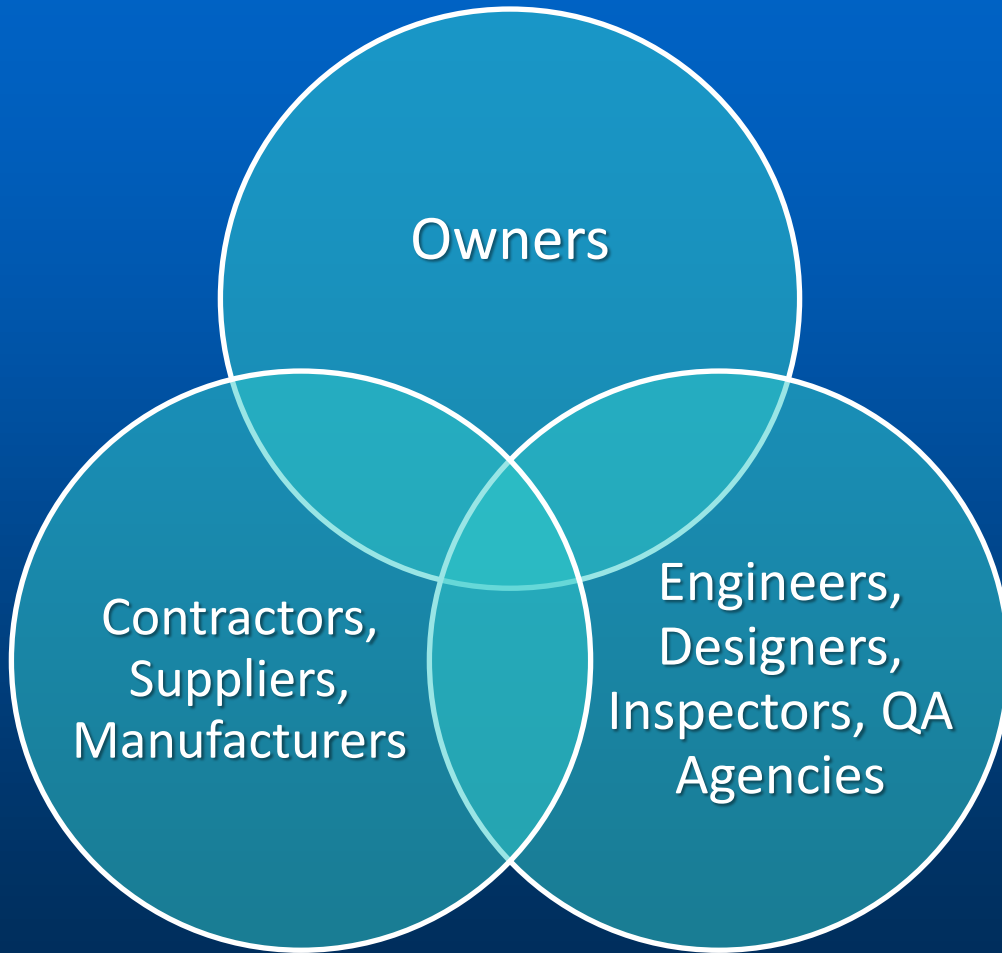
How did we get to this?



Source: ENR.com



Project Interaction



- Throughout life of project, each part takes more central role
but
- Each is important to success of project

What is the ADSC?

- International, not-for-profit trade association representing the heavy civil construction & design industries
- Founded in 1972 & Headquartered in Irving, TX
- 1,000+ member companies (30,000+ individuals)
- 12 Active Chapters
 - 9 throughout United States
 - Eastern and Western Canada
 - Central America – Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama

ADSC Membership

Specialty Contractors



Technical Affiliates

Associates

ADSC Membership

*Specialty
Contractors*

- Installers of
 - Anchored earth retention systems
 - Excavation support systems
 - Soil/rock anchors
 - Underpinning
 - Drilled shafts
 - Micropiles
 - Foundation elements
 - Slope/slide stabilization systems
 - Other related work



ADSC Membership

*Associate
Members*

- Manufacturers, suppliers, and services providers that service the needs of ADSC Contractor Members and the industry in general



Technical Affiliates

- [illegible]

- ASFE Member Firms
 - Provide geotechnical, geologic, environmental, construction materials engineering and testing, and related professional services
- ASFE Associate Members
 - Professional Colleagues, Collaborative Members (e.g., industry groups), Practitioners (e.g., geoconstructors), Gov't Members, Faculty, Students, Consultants, and Individual Life Members
- Commonality among Membership
 - Need for high-quality, spot-on business and professional resources, and opportunities to network with others in the same circumstances

- Conduct technical conferences/seminars
 - Design, construction, inspection, safety, and testing
- Develop and disseminate technical data and literature
- Establish standards and specifications
- Conduct / fund practical, pertinent, beneficial research
- Provide project review services
- Interface with and serve as industry advocate
 - To related industries and government agencies (FHWA, ACOE, PTI, OSHA, DOTs, etc.)

- Provide a forum for technology transfer and for free flow of ideas for industry advancement at international, national, and local levels
- Stimulate industry growth
- Promote safety and quality awareness
- Promote ethical practice
- Reduce risk, uncertainty, hazards
- Improve project delivery mechanisms
- Foster relationships at all levels throughout industry

- Values
 - Professionalism, Business focus, Responsiveness, Openness, Trust
- Purpose
 - Help geoprofessionals maximize importance and value to the marketplace, achieve business excellence, and manage risk
- Strategy
 - Advocate, educate, and collaborate
- Goals
 - Increase Membership, Develop Outreach, More Engagement of member firms, Enhance Educational Resources

Goals, Mission, Vision

*Accomplishing
and Promoting*

- Technical Committees
 - AER, Drilled Shaft, Micropile, Quality & Testing, Safety
- Business Committees
 - Legal Affairs, Governance, Oversight, Membership
- Regional Chapters
- Education
 - Safety & Technical Manuals, Specifications
 - Seminars, Conferences, Workshops, Schools, Lectures
- Awards and Scholarships
 - Quality and Safety Awards; Academic Scholarships
- Partnering and Research
 - Universities, FHWA, ACOE, State DOTs

- Design and constructability reviews for DOTs, Owners
 - 2 recently completed; 1 ongoing
- Safety awareness and training
 - Safety manuals and seminars with OSHA participation
- Advancement of State of the Practice
 - Projects - LRFD Drilled Shaft Design & Constr. Manual (FHWA)
 - Task Forces – Rebar Cages; Slurry; Safety; Secant Pile specs
- Research Projects
 - Completed – Hollow Bar Soil Nails (FHWA); Load testing of Drilled Shafts (TxDOT);
 - Ongoing – Post-grouting of Drilled Shafts (FHWA)
 - Future – Dam instrumentation and drilling (ACOE)

- Design parameters; subsurface conditions
 - How to understand and use soil information? Conservative or realistic?
- Constructability and performance
 - Deformations, movements, stability
- Business issues
 - Qualifications, specifications, project delivery, procurement, contracts
- Legal issues
 - Payment terms, insurance, differing conditions, damages clauses
- Risk and uncertainty
 - Unknown conditions, safety, overdesign vs marketability
- Environmental concerns
 - Noise, vibrations, dust, spoils
- Cost vs profit

Conclusion

Benefit of aligning the efforts of ADSC and ASFE

- Advance the state-of-the-practice of heavy civil engineering construction and design
- Advance the industry through research, development, education, design, and construction
- Provide a means for improving the business potential, safety, and livelihood of our respective memberships

“The whole is more than the sum of its parts”

- Aristotle, *Metaphysica*

Thank you for your attention!

Questions?



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