

# ADDITIVE MANUFACTURING FOR OIL & GAS

---

## OFFICIAL AGENDA

OCTOBER 14-15, 2026

NORRIS CONFERENCE CENTERS  
HOUSTON CITYCENTRE, HOUSTON, TX



Ascentis  
Strategies Institute

# SUMMIT OVERVIEW

## Program Design and Goal:

---

Ascentis Strategies Institutes' Additive Manufacturing for Oil & Gas Summit will convene experts and senior leaders across the Oil & Gas (O&G) industry, technology providers, venture capital, academia, and industry consortia to discuss the accelerated adoption and commercial deployment of additive manufacturing (AM) capabilities across the global energy value chain. Hosted by the same team behind the United States' premier military additive manufacturing summit (MILAM) with over 1300+ in attendance last year, ASI has deep expertise in the AM community. Senior leaders will explore how additive manufacturing is being integrated to gain a competitive edge, rapidly respond to market and operational challenges, and optimize capital expenditure (CapEx) and operational expenditure (OpEx) by reducing material waste, inventory holding costs, and production times.

Discover how leading energy companies are using AM to create lightweight, high-strength parts for advanced applications, improving performance and fuel efficiency. This summit will highlight how AM can revolutionize commercial energy initiatives by enhancing supply chain resilience and reducing logistical constraints. AM unlocks the possibility for operators to produce critical spare parts for upstream, midstream, and downstream processes, significantly minimizing downtime and reducing dependency on traditional, often fragmented, supply chains. This capability is particularly vital in remote, offshore, or challenging environments where traditional manufacturing resources are scarce, ensuring operational continuity and agility. Leading energy companies are leveraging additive manufacturing to produce lightweight, high-strength parts for advanced applications, thereby enhancing both performance and fuel efficiency.

Industry leaders will offer attendees insight into how they are leveraging next-gen commercial AM capabilities to modernize their asset management strategies and global spare parts networks as well as seeking greater collaboration. Attendees will participate in dynamic panel discussions comprised of different industry leaders, technical experts, and business strategists in the energy sector. Panels will explore topics such as specific AM applications for Upstream operations, navigating intellectual property, and collaborations occurring across O&G manufacturing and production. Learn how AM is being integrated to enhance competitiveness in the O&G industry and gain direct access to decision-makers and potential clients who are actively exploring or implementing AM solutions.

## Operating Guidelines:

ASI's Summit is specifically designed to bridge the gap between cutting-edge additive manufacturing (AM) technologies and the practical needs of the oil and gas community. We recognize that leaders in this sector often operate within their established networks, and our summit provides a crucial conduit for them to efficiently connect with a broader audience of AM experts, innovators, and solution providers. Our interactive forums are at the heart of this connection, fostering dynamic dialogue and deep collaboration.

Trusted for our expertise and reliability, ASI serves as a catalyst for real-world solutions through impactful engagements. Through carefully curated content, including case studies, expert presentations, and lively panel discussions, we deliver impactful engagements that translate directly into actionable insights for the oil and gas industry.

**Summit is CLOSED TO PRESS / NO RECORDINGS**

# SUMMIT OVERVIEW

## General Target Audience

Chief Commercial Officer, VP, Engagements, , Strategic Acquisition, Sr. Product Marketing Manager, Senior Vice President Business Development, Director of Marketing, COO, President/CEO, VP, Government Relations, Director, BD, Account Manager, BD Director, VP, Comms, Chief Commercial Officer, Global Sales Director, Regional Account Manager, Vice President, Business Development, Director of Business Development, Engineering Services, Marketing and Communications Lead, Strategy Manager, Account Manager, Manufacturing, Partnerships Manager, Strategic Alliances Manager, Client Relations Manager, Industry Analyst, Director of Operations, Vice President of Commercial, Americas, Chief Economist, Global Head – Energy Market Development & Innovation, Senior Vice President, Strategic Corporates & Partnerships - Gas & Low Carbon Energy, GM Strategy Head, VP, Industrial Sales, CCUS BDM, Sales & Estimation Manager, Director - OEM Partnerships and Channel Sales, Business Development Manager, Additive Solutions, Business Development, Wire Arc Additive Manufacturing, MRO Buyer, Area Sales Manager, Metals, Senior Product Marketing Manager, Business Development Manager, Metal Binder Jet, Americas, GTM Strategy & Transformation Lead.

## Specific Topics to be Discussed

- Evaluating real world case studies for AM deployment
- Reviewing developments in AM standards, qualification, and certification shaping adoption
- Understanding the evolving IP risk landscape impacting distributed AM networks
- Exploring downstream AM applications for maintenance, repair, and operations
- Assessing the growing role of polymer manufacturing materials in the O&G industry
- Examining how cross-industry partnerships are accelerating AM deployment for the industry
- Understanding the health, safety, and regulatory considerations associated with AM operations
- Exploring workforce development initiatives supporting the next generation of AM talent in energy

## VENUE:

**Norris Conference Centers -  
Houston/City Centre**  
816 Town & Country Blvd.  
Suite 210  
Houston, Texas 77024



# SUMMIT SCHEDULE

## DAY 1: WEDNESDAY, OCTOBER 14

---

**8:00—8:45 AM**      *Registration and Light Breakfast Reception Open*

**8:45—9:00 AM**      **Moderator Opening Remarks**

**Angeline Goh (Confirmed)**  
Founder & Principal Advisor, Ahypha

**9:00—10:00 AM**      **Headline Panel: Case Studies in AM- Lessons Learned from Real-World Deployment**

- Evaluating real-world examples of additive manufacturing successes and failures and sharing broader lessons for scaling across the industry
- Highlighting the cost, lead time, and down time implications in each case
- Examining organizational, qualification, and supply chain factors that determine whether AM pilot projects are successful

**Moderator:**

**John Barnes (Confirmed)**  
Senior Commercial Industry Advisor  
Fieldnode

**Panelists:**

**Juan Carlos Flores (Confirmed)**  
Vice President of Manufacturing, Baker Hughes

**Christopher Beeson (Confirmed)**  
Baton Rouge Area Additive Manufacturing Lead, ExxonMobil Product Solutions

**Carlo De Bernardi (Confirmed)**  
Principal Engineer, ConocoPhillips

**Krutibas Panda (Confirmed)**  
Technology Manager, Halliburton

**10:00—10:20 AM**      **Plenary Discussion: Scaling AM for the O&G Industry**

- Connecting advancements in digital manufacturing, automation, and qualification frameworks to the operational realities of the industry
- Translating lessons learned from industries with mature AM deployment including nuclear energy and the defense sector
- Accelerating the adoption of AM parts into existing O&G workflows

**Brian Post (Confirmed)**  
Group Leader, Manufacturing Systems Design Group, Oak Ridge National Laboratory

**10:20 AM—10:30 AM**      **Tech-in-Ten: Etxe-Tar S.A**

**10:30 AM —11:10 AM**      **Networking Break & Exhibits**

# SUMMIT OVERVIEW

## DAY 1: WEDNESDAY, OCTOBER 14

---

11:10 — 11:40 AM

### Industry Perspective: What Oil & Gas Can Learn from Defense's Adoption of Large-Format Additive Manufacturing

- Examining how application-led development, clear requirements and phased qualification are accelerating large-format AM adoption in regulated, mission-critical environments
- Identifying the oil and gas applications best suited to DED-Arc/WAAM, including large near-net-shape parts, long-lead forgings and difficult-to-source materials and components
- Exploring how integrated design, manufacturing, inspection and certification can reduce deployment risk and build confidence in qualified AM parts

#### **Peter Richards (Confirmed)**

Chief Executive Officer, DEEP Manufacturing

11:40—12:30 PM

### Panel Discussion: A Year of Standards & Certification in Review

- Reviewing progress towards consolidation for fewer, clearer certifications to streamline additive manufacturing
- Benchmarking movement in API, ASTM, and DOE qualification frameworks since 2025
- Discussing whether digital qualification pathways (AI/in-situ monitoring) are getting traction, where it is helping, and where it is not trusted yet.

#### **Moderator:**

#### **Ryan Dehoff (Confirmed)**

Director of Manufacturing Demonstration Facility, Oak Ridge National Laboratory

#### **Panelists:**

#### **Satya Ganti (Confirmed)**

Additive Manufacturing Materials Science, Baker Hughes

#### **Sergio Sanchez (Confirmed)**

Director, Business Development & Strategic Relations, Global Advanced Manufacturing Programs Division, American Society for Testing and Materials (ASTM)

#### **Angeline Goh (Confirmed)**

Founder & Principal Advisor, Ahypha

12:30—1:30 PM

### Networking Lunch

# SUMMIT SCHEDULE

## DAY 1: WEDNESDAY, OCTOBER 14

---

**1:30—2:15 PM**

### **Panel Discussion: IP & Data Protection in Distributed AM**

- Understanding the digital threat landscape that exists for distributed AM networks and digital part libraries
- Discussing IP theft scenarios involving AM design files in cloud/edge environments
- Sharing how operators can balance speed, collaboration, and security in distributed additive manufacturing

#### **Moderator:**

**Darin Duphorne (Confirmed)**  
Partner, Meade Neese & Barr LLP

#### **Panelists:**

**Dr. Matthew Madsen (Confirmed)**  
Of Counsel, OBWB LLP

**Rick Taché (Confirmed)**  
Partner, Pillsbury Winthrop Shaw Pittman LLP

**Bryan Vogel (Confirmed)**  
Partner, Robins Kaplan

**2:15—2:25 PM**

### **Tech-in-Ten: Applications and Benefits of the HYBRiD-X System for the Oil and Gas Industry**

**Dinesh Kumar Jayabal (Confirmed)**  
Lead R&D Engineer, ADDiTEC 3D

**2:25 — 3:10 PM**

### **Fireside Chat: Spotlight on Downstream AM— Repair, MRO & Manufacturing Applications**

- Discussing where additive manufacturing and directed energy deposition (AM/DED) can be used in refinery repair and maintenance
- Highlighting MRO application and use cases for replacing aging components with printed alternatives to reduce downtime and lead times.
- Walking through qualifications, inspection, and approval challenges unique to downstream environments

**Christopher Beeson (Confirmed)**  
Baton Rouge Area Additive Manufacturing Lead, ExxonMobil

**John Barnes (Confirmed)**  
Senior Commercial Industry Advisor  
Fieldnode

**3:10—3:50 PM**

### **Networking Break and Exhibits**

# SUMMIT SCHEDULE

## DAY 1: WEDNESDAY, OCTOBER 14

---

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3:50—4:35 PM    | <p><b>Fireside Chat: Polymers &amp; Non-Metals in Oil &amp; Gas AM</b></p> <ul style="list-style-type: none"><li>• Reviewing how certain high-performance polymers (PEEK, PEKK, carbon-fiber reinforced) behave in harsh O&amp;G environments with high temperatures, high pressures, and exposure to chemicals.</li><li>• Highlighting where polymers can substitute, or outperform, metal components and situations where metals are still the best choice</li><li>• Outlining best practices for polymer component testing, including high-heat, high temperature testing and long-term chemical exposure testing to ensure performance and safety</li></ul> <p><b>Enzo Savino (Confirmed)</b><br/>Nonmetallic Material Specialist ConocoPhillips</p> <p><b>Srinand Karuppoor (Confirmed)</b><br/>Principal Advisor, The Barnes Global Advisors</p> |
| 4:35 PM—5:35 PM | <p><b>Cocktail Reception</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5:35 PM         | <p><b>Exhibit Hall Closes, End of Day 1</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

# SUMMIT SCHEDULE

## DAY 2: THURSDAY, OCTOBER 15

---

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:15—8:45 AM   | <i>Registration and Light Breakfast Reception Open</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 8:45—9:00 AM   | <b>Moderator Opening Remarks</b><br><br><b>Angeline Goh (Confirmed)</b><br>Founder & Principal Advisor, Ahypha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9:00—9:30 AM   | <b>Plenary Session: Lessons Learned in AM from the Joint Manufacturing &amp; Technology Center</b><br><br><b>COL Eloy Martinez (Confirmed)</b><br>Rock Island Arsenal- Joint Manufacturing and Technology Center (RIA-JMTC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9:30—10:15 AM  | <b>Panel Discussion: Cross-Industry Partnerships Revisited- How OEMs, Service Providers, and Operators Are Industrializing AM in Oil &amp; Gas</b> <ul style="list-style-type: none"><li>• Examining how collaboration between OEMs, AM service providers, and oil &amp; gas end users is accelerating additive manufacturing adoption</li><li>• Exploring partnership models and strategic alliances that enable AM to be implemented as a transformative technology</li><li>• Sharing real-world insights on collaborative approaches that increase value and fast-track the deployment of AM solutions</li></ul> <b>Moderator:</b><br><br><b>Mikhail Anisimov (Confirmed)</b><br>AM Customer Engagement Leader, Baker Hughes<br><br><b>Panelists:</b><br><br><b>Carlo De Bernardi (Confirmed)</b><br>Principal Engineer, ConocoPhillips<br><br><b>Faisal Iqbal (Confirmed)</b><br>Head of Digital, Additive Business Service, Baker Hughes<br><br><b>Srinand Karuppoor (Confirmed)</b><br>Principal Advisor, The Barnes Global Advisors |
| 10:15—10:45 AM | <b>Industry Perspective: Meltio</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 10:45—11:25 AM | <b>Networking Break and Exhibits</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

# SUMMIT SCHEDULE

## DAY 2: THURSDAY, OCTOBER 15

---

11:25—12:10 PM

### Panel Discussion: AM Meets Health, Safety, and Compliance

- Explaining how AM parts are validated for safety-critical applications under OSHA, API, and ASME frameworks
- Highlighting instances where AM has enabled faster replacement of worn or failed safety-critical components
- Outlining how additive manufacturing can help O&G companies to achieve sustainability goals through reduction in waste and emissions

#### **Dr. John Middendorf (Confirmed)**

Director of Additive Manufacturing, OSU College of Engineering

#### **Dr. Adriana Paiva (Confirmed)**

Additive Manufacturing Technology Lead, TA2 Materials and Corrosion, Shell Technology Center Houston

#### **Troy Falgout (Confirmed)**

AM Customer Engagement Leader, Baker Hughes

12:10-12:20 PM

### From Pilots to Production: What We've Learned from the First Decade of Digital Inventory & AM

#### **Saif Mukkaram (Confirmed)**

VP of Strategic Partnerships, Immensa

12:20—1:20 PM

### Networking Lunch

1:20—2:05 PM

### Panel Discussion: Technology Breakthroughs and Innovation Across the AM Landscape

- Highlighting transformative breakthroughs across the broader additive manufacturing ecosystem
- Discussing recent technology developments and how they translate the oil and gas sector
- Looking forward to what's on the horizon for the additive manufacturing industry and how it will shape the next phase of AM scaling and adoption

#### **Dr. Erfan Maleki (Confirmed)**

Assistant Research Professor, National Center for Additive Manufacturing Excellence (NCAME)

#### **Gijs van der Velden (Confirmed)**

CEO and Co-Founder, MX3D

#### **Dr. Xiaoyuan Lou (Confirmed)**

Associate Professor in Nuclear Engineering / Materials Engineering, Manufacturing and Materials Research Laboratories  
Purdue University

**Speaking opportunities are available for this session**

Contact Amanda Delgado at [adelgado@ascentisgrp.com](mailto:adelgado@ascentisgrp.com)

# SUMMIT SCHEDULE

## DAY 2: THURSDAY, OCTOBER 15

---

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2:05—2:50 PM | <p><b>Panel Discussion: Workforce Development &amp; AM Education in O&amp;G</b></p> <ul style="list-style-type: none"><li>• Determining which skills, the oil &amp; gas workforce lack that are necessary for additive manufacturing operations</li><li>• Spotlighting training programs at operators, OEMs, and universities that are aimed at building the next generation of additive manufacturing leaders</li><li>• Discovering how academia and consortia like America Makes are bridging the skills gap for engineers and laborers</li></ul> <p><b>Moderator:</b></p> <p><b>Ed Herderick (Confirmed)</b><br/>Education and Workforce Development (EWD) Director, America Makes</p> <p><b>Panelists:</b></p> <p><b>David Leigh (Confirmed)</b><br/>Director of the Center for Additive Manufacturing and Design Innovation, The University of Texas at Austin</p> <p><b>Jace Dugas (Confirmed)</b><br/>Founder, Louisiana Additive Manufacturing Association</p> |
| 2:50 PM      | <p><b>End of Summit</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |