

# ANDREAS CALUSA

Founder | Director | Engineer | MEng (Hons) | MIET | AMIMechE

## CONTACT

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📍 Aberdeen, United Kingdom

## PROFESSIONAL SUMMARY

Extensive experience involving Blockchain Technology and the Energy Industry. Commercially aware Leader with skills in Web3, Asset Management, Contractual Excellence, and Global Scale Projects

## EDUCATION

**2017-2021, MEng (Hons)**  
**MASTER'S DEGREE OF**  
**MECHANICAL ENGINEERING**  
University of Aberdeen, 2:1

## SKILLS

- Web3 Blockchain Technology
- AI Agents
- Decentralized Identity
- Verifiable Credentials
- Multilingual
- HTML, CSS, JavaScript
- ERP (SAP, Maximo, NAV)
- Microsoft Office suite
- CMMS (IDMS, AKIMS, BMS)
- CAD (SolidWorks, Inventor)
- FEA (Ansys, Abaqus, Sesam)
- MATLAB (Simulink)
- P&IDs and Isometrics
- PTC Mathcad
- GRANTA EduPack

## AWARDS & CERTIFICATES

- Conart UK Champion Award
- Aker Solutions Bronze Award
- Leadership Academy
- Career Mentoring
- STAR Award
- Proxime Accessit Award
- Published Book Cover Artist

## EXPERIENCE

### FOUNDER

**January 2024 - Present, Brain Titan**

- Built novel Web3 services involving AI, Gaming, Streaming, NFTs
- Produced AI Agent products with blockchain scalability and utility
- Combined Artificial Intelligence with decentralization, leading to innovation
- Invented customizable Blockchain Identity Passports for global users

### APP DEVELOPER – BLOCKLET STORE

**July 2024 - Present, ArcBlock Inc.**

- Developed over 180 decentralized Apps in ArcBlock's Blocklet Store
- Integrated W3C-compliant DID and VCs for enhanced data privacy
- Utilized cutting-edge cryptocurrency building stacks (AIGNE, Blocklet Studio)
- Contributed to the testing of new technology and reporting of software bugs

### NON-EXECUTIVE DIRECTOR

**December 2023 - Present, Horizon Housing Association Ltd**

- Oversaw asset optimization to enhance the value provided to 800 properties
- Ensured financial policies are aligned with the company's integrity
- Facilitated collaborative governance to sustain effective decision-making
- Participated in the Sustainability sub-committee responding to ESG reports

### DIRECTOR

**June 2023 - Present, Conart UK Ltd**

- Extended visionary leadership by fostering engineering strategic direction
- Promoted sustainable long-term success of the business and its values
- Established effective engagement and professionalism with stakeholders
- Attended and influenced the Board of Directors governance meetings

### GLOBAL INSPECTION ENGINEERING SERVICES – P&O AKER CONTRACT

**February 2023 - Present, BP p.l.c.**

- Analysed P&IDs for Global BP Assets in the North Sea and the Gulf of Mexico
- Safeguarded the team's KPI delivery of SOIRs by covering 35% of total input
- Delivered high-standard work packages for Engineering pressure systems
- Adhered to Regulations and Engineering Standards (ASME, BS, EN, ISO)

### MECHANICAL ENGINEER - ASSET INTEGRITY MANAGEMENT

**February 2023 - Present, Aker Solutions Ltd**

- Raised notifications with the implementation of NDT technology
- Created risk assessments by identifying failure modes and mechanisms
- Refined anomaly reviews, mitigation and risk-based inspections (RBI)
- Generated reports, asset integrity strategies and criticality evaluations

### PROJECT ENGINEERING MANAGER

**January 2021 - October 2022, Conart UK Ltd**

- Propelled a 20% growth in annual revenue by securing business contracts
- Provided assurance of technical delivery and cost management
- Coordinated projects across multiple business lines for on-time delivery
- Finalized POs and CTRs against the agreed proposal specifications