Horizon
LCA Services

Statement of Qualifications
2026



Horizon LCA is an independent sustainability consulting firm specializing in Life Cycle Assessment (LCA), Product Carbon Footprint (PCF), and Environmental Product Declaration (EPD) development and verification. The firm provides end-to-end, ISO-compliant services that support credible environmental disclosures, regulatory compliance, and informed decision-making across product life cycles, with particular strength in construction products and green building–related markets.

Founded in 2025 and supported by nearly 20 years of experience in sustainability reporting, Horizon LCA provides Life Cycle Assessment and sustainability documentation services to companies around the world. The firm specializes in delivering credible, standards-based documentation that enables clients to meet market and competitive requirements typically associated with larger brands, while maintaining cost-effective and scalable engagement models.



Founder



Horizon LCA is led by Beth Cassese, a sustainability professional with two decades of experience in sustainability reporting, auditing, life cycle assessment, environmental impact analysis, and sustainability documentation. She holds a Master's degree in Sustainability Systems and maintains professional credentials as a Life Cycle Assessment Certified Professional (LCACP), Certified Life Cycle Assessment Reviewer (CLAR), and LEED Green Associate.

Beth's professional background includes leadership roles in corporate environmental health and safety and sustainability, where she supported environmental data systems, EHS audits, and sustainability reporting across more than 150 manufacturing sites. She later led North American LCA and corporate sustainability initiatives, coordinating large-scale LCA and EPD efforts and contributing to Product Category Rule (PCR) development with industry stakeholders.

As a consultant and EPD Program Manager, Beth has managed portfolios of LCA, PCF, and EPD projects across multiple industries, guiding clients through all phases of project delivery—from data collection and life cycle modeling to reporting, critical review, and third-party verification.

Beth also has extensive experience as an independent third-party verifier for EPDs, LCAs, and PCRs, applying ISO-compliant review practices to ensure credibility and conformance with program operator requirements.

MISSION:

To empower businesses with accurate, transparent, and science-based environmental insights and advancing sustainability by delivering credible data that enables informed decision-making, drives innovation, and fosters trust in the global marketplace.

Services:

- Life Cycle Assessment (LCA)
- Product Carbon Footprint (PCF)
- Environmental Product Declaration (EPD)
- Tools
- Training
- Critical Review
- Verification

Standards:

- ISO 14044
- ISO 14025
- ISO 14067
- ISO 14071
- ISO 21930
- EN 15804

Product Experience:

- Building Materials
- Ceiling Panels
- Acoustic Wall Panels
- Gypsum Board
- Roofing Materials
- Insulated Metal Panels
- Insulation
- Aluminum Extrusions
- Steel
- Glass
- Windows
- Doors
- Bathroom Fixtures
- Flushometers
- Flooring
- Furniture
- Additives
- Wires/Cables

Projects

As a Life Cycle Assessment Certified Professional (LCACP), Beth has completed numerous LCA projects over the past 15 years. Her experience began with projects for one of North America's largest building materials manufacturers and continued through several years of consulting work across a wide range of product types.



Notable LCA & EPD Projects:

- FreeAxez: LCA & EPDs for GRIDD 40 and GRIDD 70 Systems
- GreenMantra: LCA & EPDs for Ceranovus® Polyethylene Polymer Additive and Ceranovus® Polypropylene Polymer Additive
- Vitro Architectural Glass: LCA & EPD for Processed Glass
- Vitro Architectural Glass: LCA & EPD for Flat Glass
- ZS2 Technologies: LCA & EPDs for TechPanel® Structural Insulated Panels and OSB Panel Structural Insulated Panels
- Sloan Valve Company: LCA & EPDs for Sensor Faucets
- Sloan Valve Company: LCA & EPDs for Lavatories, Urinals, & Water Closets
- Sloan Valve Company: LCA & EPDs for Diaphragm, Piston, and Sensor Flushometers
- Rulon International: LCA & EPDs for Veneer Panels & Solid Wood Panels
- Knauf (India): LCA & EPDs for Plasterboard
- Kingspan Insulation: LCA & EPDs for Sandwich Boards, Rainscreen Boards, and Soffit Boards
- J. Josephson: LCA & EPD for P3Tec Advanced Wall Protection
- Aluminum Extrusion Council (AEC): LCA Methodology for PCF & EPD Generator Tool
- Sage Glass: LCA & EPD for Electrochromic Glass
- CertainTeed Roofing: LCA & EPDs for SBS Modified Bitumen, APP Modified Bitumen, and Built-Up Roofing Systems
- CertainTeed Insulation: LCA & EPDs for Batt & Blanket Insulation
- CertainTeed Insulation: LCA & EPDs for Mechanical Insulation
- CertainTeed Gypsum: LCA & EPDs for Gypsum Boards
- CertainTeed Gypsum: LCA & EPDs for Finishing Compounds
- Saint-Gobain Sheerfill: LCA & EPDs for Architectural Membranes

Verification

Critical review and third-party verification are essential to ensuring that LCA studies and EPDs are accurate, transparent, and compliant with applicable standards and Product Category Rules. These processes provide independent confirmation of methodological rigor, support credible environmental claims, and enable reliable use of LCA and EPD data in procurement and decision-making contexts.

Beth is a Certified LCA Reviewer (CLAR) through the American Center for Life Cycle Assessment and currently works with a number of EPD Program Operators (listed below) to provide independent verification required for Type III Environmental Product Declarations.

UL Solutions

Sustainable Minds
Design greener products right, from the start

SMART EPD

SCSglobal SERVICES
Setting the standard for sustainability

epd-global
Powered by EPD-Norway

EPD Hub

EPD
INTERNATIONAL EPD SYSTEM

Notable Critical Review & Verification Projects:

- Merck Autoinjector Comparative LCA Critical Review
- CooperVision Comparative LCA Critical Review
- Sumitomo Electric – Optical Fiber
- Daybar – Steel Doors and Frames
- Mohawk – EcoFlex NXT Flooring
- Haydon Steel – H Strut Metal Framing
- Clark Dietrick – Steel Framing Systems
- Garden on the Wall – Preserved Wall Gardens
- AWIP – Insulated Metal Panels
- HNI – EPD Generator Tool Verifications (Seating, Storage, Tables, Workspace Products)
- Sustainable Minds - Resinous Flooring Part B PCR Review
- Sustainable Minds – Part A PCR Critical Review
- Sustainable Minds – Combat Vehicles Part B PCR Review
- UL Solutions – Cladding Part B PCR Review
- UL Solutions – Hand Dryer Part B PCR Review
- UL Solutions – Asphalt Additives Part B PCR Review

Value

Whether a client requires an LCA, EPD development, or independent verification, Horizon LCA brings experience from both manufacturing and consulting perspectives. By leveraging open-source LCA tools and efficient, standards-based workflows, Horizon LCA delivers cost-effective and timely support—from initial data collection through final review and verification.



Contact

Horizon LCA

www.horizonlca.com

bcassese@horizonlca.com

910-356-5720