

EPD Advantage Pro™

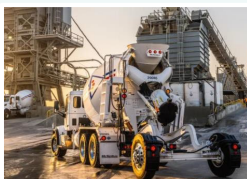
The First
EPD Information Management System

Climate Earth
Advantage Pro™
Technology and the road ahead

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Climate Earth is 100% Focused on the Concrete Industry

Ready Mix



CMU



Cement



Aggregate



Precast



Dry mix



Advanced materials



CURRENT PRODUCTS

EPD Generators

Americas



Europe & Asia

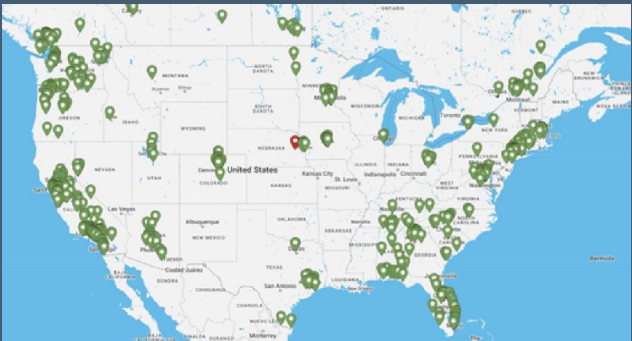


Standard EPDs

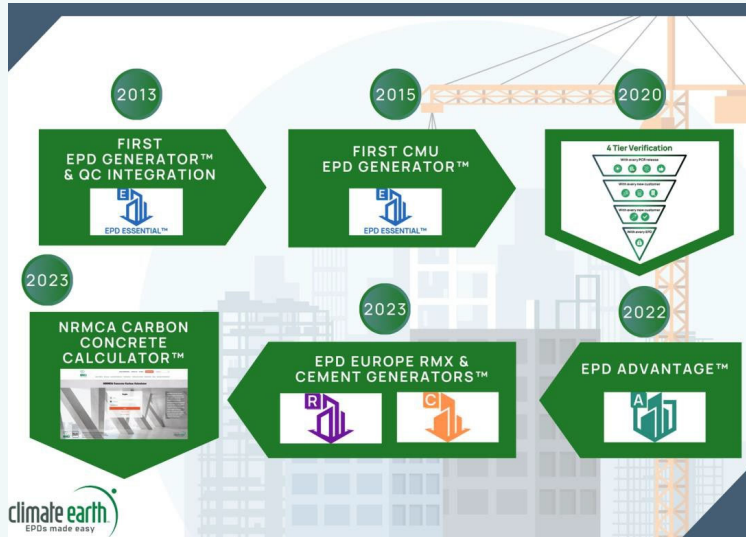
Aggregates
Dry Mix
Precast
Advanced materials



The Global Leader in
Ready Mix, Cement and CMU EPD Generation
over 1,200 plants worldwide & over 67,000 EPDs



Twelve Years of Innovation Helping Concrete Lead in Sustainable Construction



Thanks to All Our Customers For your support and the opportunity to serve this amazing industry

EPD ADVANTAGE™
The latest in low carbon concrete innovation
climate earth
EPDs made easy

404 Concrete	City of Portland, Mobile Mixers	Independent Concrete	Permacon
711 Materials	Clark Pacific	Independent Concrete	Pete Lien & Sons
Aggregate Industries	Clean Resources	Ingram Ready Mix	Platte River Concrete
AggrePlex	Concrete Supply Co.	Interstate Brick Co.	Polaris Materials
AlCrete	Conewago Manufacturing	Island Concrete - Pte Ltd	Prairie Material, LLC
Altview	Construction Services	Jandris Block	Ralph Clayton & Sons
Angelus Block Co., Inc.	Continental Cement Company	Kerridge Concrete	Ready Mix USA
Argos	Corles Resources	Kerrs Concrete	RMC Ready Mix
AVR Inc	Cotton Redi-Mix	Kirkpatrick Cement	Robertson's Ready Mix
Barnes & Cone	CPM Development	Knelson Sand & Gravel	Rockport Ready Mix
Barrasso & Sons	CTI	Knife River	River Bend Materials
Basalite Concrete Products	Delaware Valley Concrete	LaFarge Western Canada	Schuster Readymix
Bayview Redi Mix	Desert Ready Mix	Lehigh Hanson Materials Ltd.	Scoto Ready Mix
Béton Provincial	Eastern Concrete	Liberty Ready Mix	Shamrock Materials
Blair Block	Elizabeth River	Master Builders	Silvi Materials
Bonded Concrete	Ernst Enterprises	Miles Sand & Gravel	Smyrna Ready Mix
Boston Sand & Gravel	Fort Concrete	Miller and Long	Shold Excavating
Brewster Transit	Forterra	Mutual Materials	Solidia Technologies
Bristol Management Services	Four Corners Materials	Nashville Ready Mix	Sterling Concrete
Builders Concrete East	Four Winds Concrete	National Ready Mix	Stevenson Concrete
BURNCO Colorado	Genest Concrete	National Concrete Masonry Assoc.	Stoneway Concrete
BURNCO Rock Products	Geofortis	NRMCA	Sublime Systems
Butler Concrete & Aggregate	Glenwood Mason Supply Co.	O&G Industries Inc.	Surespan Ready Mix
Cadman Materials Inc.	Gotham Ready Mix	Oldcastle APG	Taktl
Cape Cod Ready Mix	Graniterock	Oneonta Block	Talon Concrete
Carmeuse Stone & Lime	Hawaiian Cement	ORCO Block & Hardscape	Tanis Concrete
Carbon Upcycling Technologies	Heidelberg Materials	Oldcastle APG	Tec-Crete Transit Mix
Casa Redimix Concrete Corp	Holcim	Oneonta Block	The Clemente Group
Castle Rock Construction	Hooker Creek Companies, LLC	ORCO Block & Hardscape	Thomas Concrete
CEMEX Cemstone			Tilcon CT



The latest in low carbon
concrete innovation by



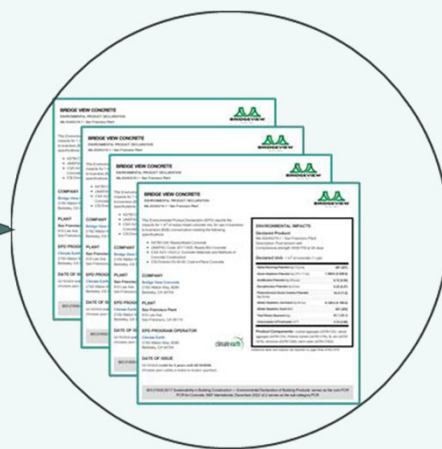
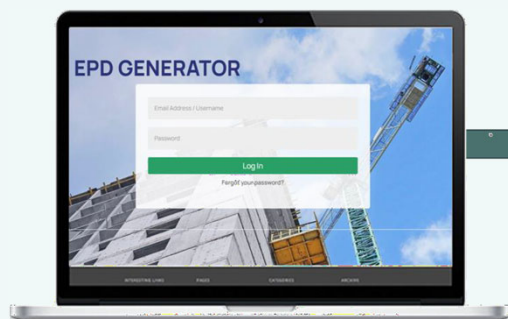
EPD Advantage Pro™

The world's first EPD Information Management System

Learn more
climateearth.info/pro

What EPD Generators Offer Today

A Single Valuable Function: Make EPDs cost effective and instantly accessible at scale



General Services Administration Sets Carbon Limits

Buy American requirements and IRA LEC requirements

	GSA IRA Limits for Low Embodied Carbon Concrete (EPD-Reported GWPs, in kilograms of carbon dioxide equivalent per cubic meter - kgCO ₂ e/ m ³)		
Specified concrete strength class (compressive strength [f _c] in pounds per square inch [PSI])	Top 20% Limit	Top 40% Limit	Better Than Average Limit
≤2499	228	261	277
3000	257	291	318
4000	284	326	352
5000	305	357	382
6000	319	374	407
≥7200	321	362	402

Add 30% to these numbers for GWP limits where high early strength¹ concrete mixes are required for technical reasons.

% of GSA IRA Limits

CALGreen

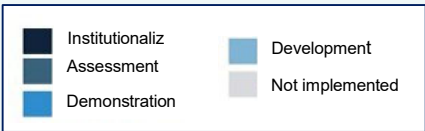
175%, effective Jul 2024

New York State

150%, effective Jan 2025



In 2025, Thirty-five states will be implementing EPDs as a purchase metric



Source: Federal Highway Administration
www.fhwa.dot.gov/innovation/everydaycounts/reports/edc7_baseline_report_508.pdf



Many Everyday Projects Now Demand Reduced Carbon Concrete



Data Centers



Distribution Centers



Federal Institutions



Large Cities



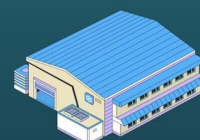
Large Corporations



Military Bases



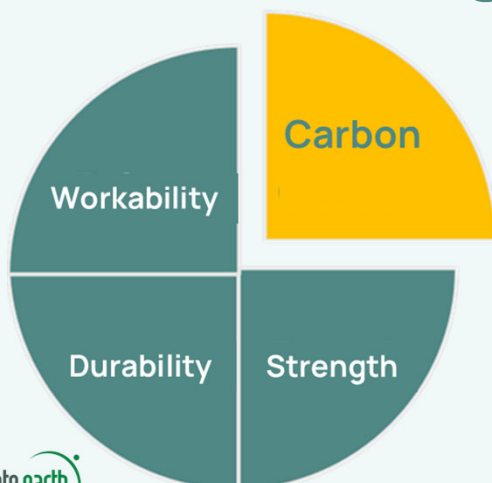
Universities



Warehouses



Carbon as a Purchase Metric is a Game Changer for the Industry



The Eight Implications

Mix design
Bid submittals
Company reporting
Digitization
Integration
Company valuations
Net zero capital investments
Measuring and managing all of it

2024



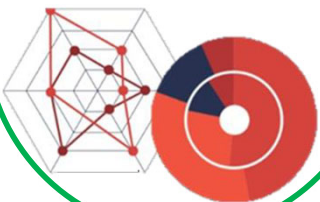
EPDADVANTAGE PRO™



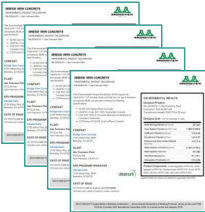
A system that delivers faster, better decision making with improved control and deeper insights across the company


- Company-wide Dashboard
- Dynamic, Interactive Drill-down for Portfolio Analysis
- Broad-based, Data-Driven Decision Making
- Expanded API Integrations


Company



comprehensive verification























Strong Integration Capability (APIs)

Climate Earth Current API Library

QC Systems	Program Operators	EPD Analysis	AI Mix Design Optimization	Custom
 Command Alkon	 ASTM INTERNATIONAL Standards Worldwide	 ECO PLATFORM	 AIcrete	
 Quadrel®	 NRMCA NATIONAL READY MIXED CONCRETE ASSOCIATION	 EC3		
 STONEMONT solutions	 Institut Bauen und Umwelt e.V.			

 climate earth
EPDs made easy

Advantage Pro EPD Information Management Gives Producers a New level of Competitive Edge

EPD GENERATOR™ COMPARISON			
	 EPD ESSENTIAL™	 EPD ADVANTAGE™	 EPD ADVANTAGE PRO™
Overview	The Original EPD Generator™	EPD Generator™ with QC Integration & Mix Analysis	The New Era of EPD Generation & Low Carbon Innovation
Instant, On-Demand EPDs	✓	✓	✓
Bid-Ready EPDs	✓	✓	✓
EC3 Connection	✓	✓	✓
Always Current	✓	✓	✓
QC Integration		✓	✓
Single Click GSA & NRCMA Benchmarks		✓	✓
Filter, Sort, & Edit with Workbench		✓	✓
Manage 1,000s of EPDs		✓	✓
Company-Wide Dashboard			✓
Strategic Insights Across All EPDs			✓
Advance Digital Integration			✓
Dynamic Drill-Down Enable Mix Analysis			✓
All Systems Benefit From:			
✓ Unmatched EPD quality with 4 tier verification			
✓ Highly responsive support from concrete industry experts			
✓ Instant access to Climate Earth innovations			
✓ Anywhere access to a Secure, Scalable, Cloud-based system			

EPD Essential™

I need an EPD now, a big new project is requiring EPDs

EPD Advantage™

Offering reduced carbon concrete is core to our business

EPD Advantage Pro™

The whole company is stepping up to lead and win in low carbon concrete

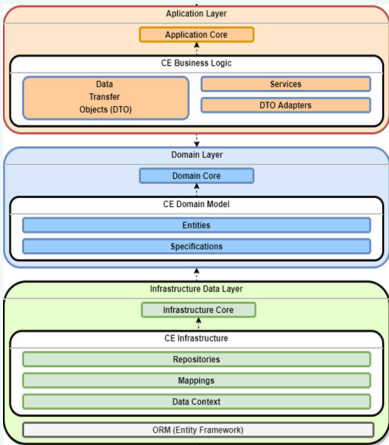


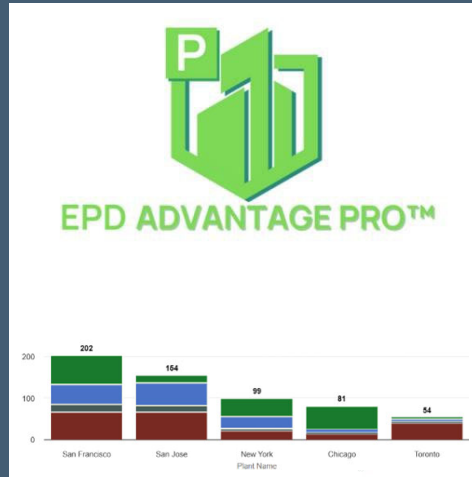
Advantage Pro is the beginning of a New Era for EPD Automation Advanced Cloud-based Architecture: Built and Deployed for Flexibility, Scale, Security, and Rapid Development of New Capabilities

A collection of small, autonomous services. Each service is self-contained and should implement a single business capability within a bounded context.



New Building Blocks now under construction





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Questions

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