HEATHER LANGSNER

Brooklyn, NY | 917-434-0269 | heather.langsner@gmail.com or hal52@columbia.edu
GitHub | LinkedIn

PROFILE

Credentialed LCA professional and industrial engineer with 8+ years corporate decarbonization consulting, emissions accounting and Scope 3 specialization, ERW emissions accounting and project MRV, and corporate renewable energy co-location and industrial optimization and large scale DAC/point source project funding application reviewer for the US Department of Energy.

KEY SKILLS

• Corporate Carbon Management Consulting 8+ years experience Fortune 500 Corporations Lenovo, Biogen, Dubai Development and Investment Authority
• Columbia University School of Engineering MS Chemical Engineering 2027 for carbon removal science, MIT professional development LCA certification
• Delivering 3-15% corporate cost savings on energy monitoring alone, even before project implementation and specialized tech deployment
• Integrated LCA/TEA modeling, verification ISO 50,001, GHG Protocol, OpenLCA, Energy and Carbon Inventory and MRV
• Renewable Energy Financial Modeling, Off-Balance Sheet Financing, Marginal Cost of Abatement, Project Consulting and Implementation, Post Cost Savings, Emissions Inventory and Reporting
• US Department of Energy DOE project merit reviews for carbon capture and carbon removal including Technology Readiness Assessments, EJ Review and TEA/LCA verification

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PROFESSIONAL EXPERIENCE

Drivekey
Vice President, Decarbonization Projects Oct 2023 - March 2025 | New York, NY / Palo Alto, CA
- GHG carbon inventory saas platform including Scope 3 modeling using ML enhancements, ML development of carbon cost of abatement model
- End to end energy and decarbonization consulting practice including industrial optimization, project implementation, off balance sheet finance and energy cost savings of up to 15%
- California, EU energy, trade and carbon compliance, carbon removal portfolio consulting, brownfield conversion to solar in Jamaica

YvesBlue
Vice President, Climate Analytics Sept 2018 – Oct 2023 | New York, NY / Austin, TX
- Built a comprehensive suite of 20+ **carbon portfolio analytics modules** for investors and corporate clients. *Barclays Best in Fintech Climate Modeling 2022*
- Delivered **carbon projections and climate impact forecasts** utilizing system dynamics and predictive analytics.
- Created Python-based models for **carbon audits, carbon reporting under TCFD, SFDR, EU Taxonomy coverage**, **Climate DCF** and scenario analysis .

Inventiv Capital Management
Co-Portfolio Manager | Jun 2017 – Oct 2018 | New York, NY
- Launched a $100M **Carbon Resiliency Technology Impact Fund** investing in carbon reduction technologies and renewable energy infrastructure.
- Performed **technical due diligence** and **carbon displacement analyses** for project development and reporting.

La Française – Inflection Point Capital Management
Portfolio Manager and Senior Analyst | Sept 2013 – Jun 2017 | Paris, France
- Managed **Carbon Zero portfolios** focused on climate-positive investments, achieving ~$150M AUM. Decarbonized €65B across all bank assets.
- Designed methodologies to **quantify displaced carbon emissions of renewable energy stocks** and led cross-sector buy-side research (Aerospace, Chemicals, Industrials, Cleantech, Energy).

Additional Consulting & Project Work
- Delivered **carbon management advisory** for DDIA (Dubai Development Authority) and NYSERDA's RetrofitNY program.
- Technical due diligence DAC and Point Source technology applications for DOE's Office of Clean Energy Demonstrations.
- CDP reporting and decarbonization consulting for Lenovo and Biogen Idec, conversion of mining site to renewable utility in Jamaica for GrizzleyACE

EDUCATION
Columbia University, School of Engineering and Applied Science
 Master of Science Candidate, Chemical Engineering | Expected 2027
Columbia University Master of Science
Environmental Science and Industrial Engineering | 2002
Johns Hopkins University
 Graduate Coursework, Environmental Chemistry and Quantitative Methods for Environmental Sciences
Investment Banking Institute
 Financial Modeling and Valuation Certification
Professional Certifications
- MIT Life Cycle Assessment (LCA) Certification I Completed (2024)
- CFA Institute, Level I Completed (2006)

VOLUNTEER LEADERSHIP & INDUSTRY ENGAGEMENT
- Vice Chair, Center for Economic and Environmental Partnership (CEEP)
- Board Advisor, Invest.Green (Technical Due Diligence)
- Founding Member, OpenAir Collective, AirMiners, Foundation for Climate Restoration, Federal Carbon Dioxide Removal Leadership Act
- Partner, Global Climate Finance Accelerator- a group of professionals in Canada that can help get projects financed
- US Department of Energy Point Source and DAC technical merit reviews 2023/4
- PS 84 Rooftop Greenhouse Classroom 20212-2016, $2.5M project for the children of PS84
- BasicDust SPC Inc. marine and terrestrial enhanced weathering CDR deployments 50,000 tonnes 2025

TECHNICAL SKILLS
- **Modeling & Data Tools:** Python, SQL, Fortran (PFLOTRAN), GAMS, OpenLCA, Vensim DSS
- **Carbon & Climate Standards:** GHG Protocol, LCA, LCIA EPD, ISO 14064, TCFD, CSRD, CBAM, SBTi, CSDD, ISO 500001, ISO 14046, Isometric, Puro (certifications)
- **Languages:** French (Advanced), Spanish (Advanced), Hebrew (Beginner), Japanese (Beginner)
- **Co-Founder:** Carbon Removal start-up BasicDust SPC Inc. conducting all MRV and scientific analysis
- **Classically trained** (Vaganova style) ballet en pointe