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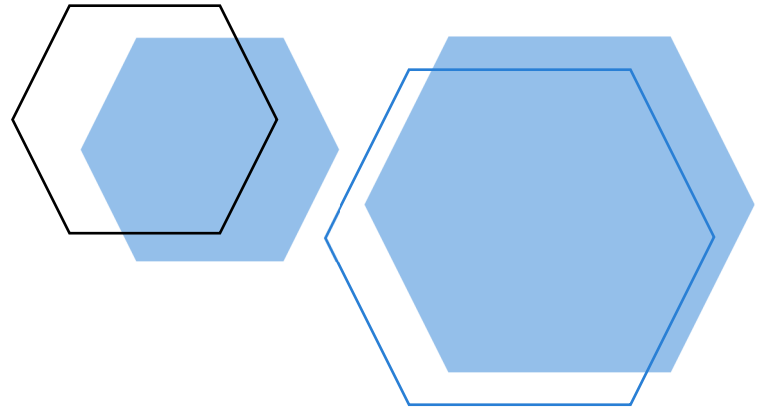
EMBODIED CARBON ACTION PLAN - 2026

AT OLER SENITZ, LLC WE RECOGNIZE THE CRITICAL ROLE STRUCTURAL ENGINEERS PLAY IN REDUCING EMBODIED CARBON IN THE PROJECTS WE DESIGN. AS A RESPONSIBLE ENGINEERING COMPANY, WE ARE COMMITTED TO CHOOSING LESS IMPACTFUL MATERIALS IN OUR DESIGNS, TRACKING THE EMBODIED CARBON IN OUR PROJECTS TO AID SE2050 EFFORTS AND ADVOCATING FOR SUSTAINABLE DESIGN PRACTICES WITH OUR CLIENTS AND THROUGHOUT OUR INDUSTRY.



EDUCATION

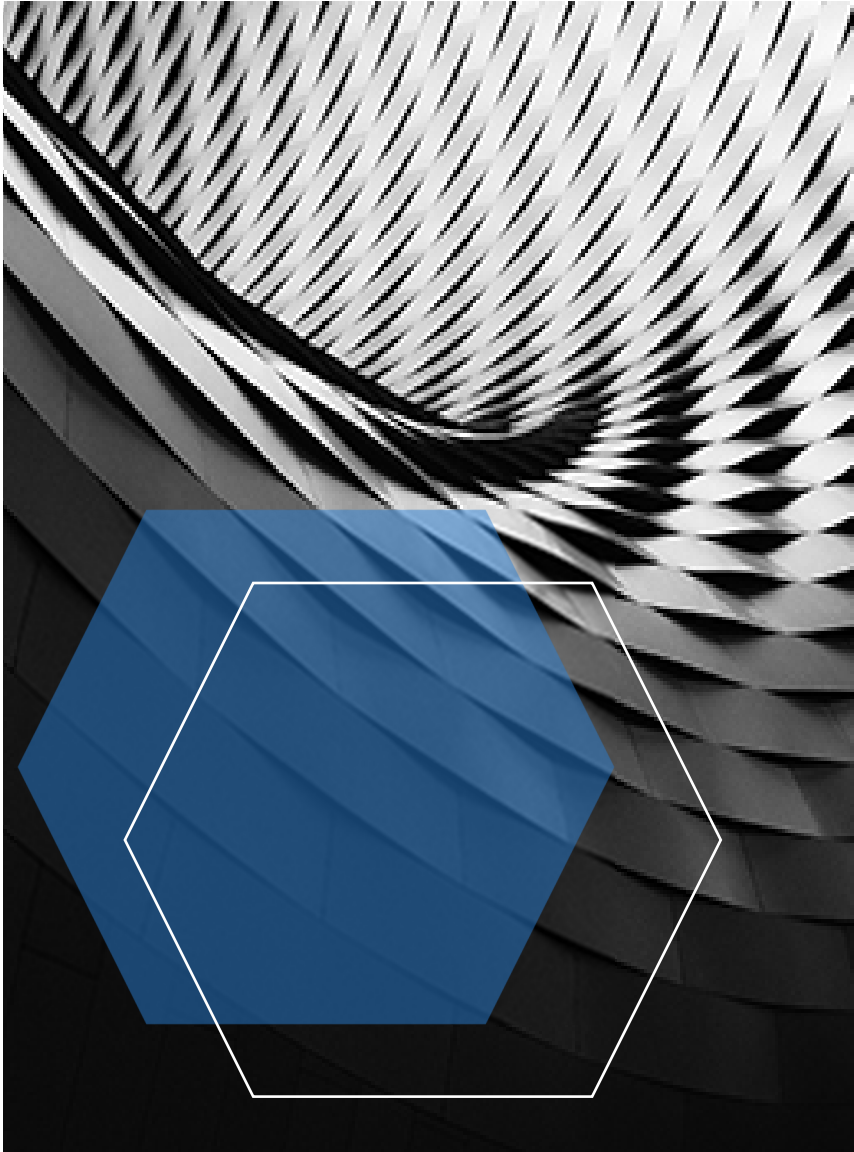
OUR FIRM IS DEDICATED TO ADVANCING SUSTAINABILITY AND REDUCING EMBODIED CARBON THROUGH CONTINUOUS PROFESSIONAL DEVELOPMENT. WE ACTIVELY PARTICIPATE IN THE DALLAS CLF HUB AND PRIORITIZE STAYING INFORMED BY ATTENDING EDUCATIONAL EVENTS FOCUSED ON THESE CRITICAL TOPICS. OUR EMBODIED CARBON CHAMPION, DAVID MATHENY, IS A CO-LEADER OF DALLAS'S CLF HUB. HE WILL PROVIDE THE FIRM WITH WEEKLY UPDATES ON SUSTAINABILITY INITIATIVES AND EMBODIED CARBON. HE IS COMMITTED TO EQUIPPING OUR TEAM WITH SE 2050 TOOLS, STRATEGIES, AND RESOURCES TO DRIVE MEANINGFUL PROGRESS.



EMBODIED CARBON REDUCTION STRATEGY

IN OUR INAUGURAL YEAR PARTICIPATING IN SE 2050, OUR PRIMARY FOCUS WILL BE ON DEEPENING OUR UNDERSTANDING OF EMBODIED CARBON, EXPLORING REDUCTION STRATEGIES IMPLEMENTED BY OTHER FIRMS, AND LEARNING METHODOLOGIES FOR CALCULATING AND REPORTING EMBODIED CARBON IN OUR PROJECTS. BY THE END OF THE YEAR, WE AIM TO ESTABLISH OUR FIRM'S AVERAGE EMBODIED CARBON BENCHMARK. ADDITIONALLY, UPDATES WILL BE MADE TO OUR GENERAL NOTES AND SPECIFICATIONS TO INCORPORATE CARBON MITIGATION STRATEGIES WITHIN THE FIRST





REPORTING

WE INTEND TO UTILIZE REVIT AND TEKLA STRUCTURAL DESIGN TO DETERMINE THE VOLUME OF STRUCTURAL MATERIALS (STEEL, MASONRY, CONCRETE, REBAR, AND TIMBER) AND LEVERAGE ECOM TO CALCULATE EMBODIED CARBON. FOR PROJECTS REQUIRING A WHOLE-BUILDING LIFE CYCLE ASSESSMENT (WBLCA), WE WILL EMPLOY A SPECIALIZED LCA TOOL, SUCH AS TALLY OR ATHENA, TO ACCURATELY COMPUTE EMBODIED CARBON VALUES.

OUR EMBODIED CARBON CHAMPION WILL DELIVER A COMPREHENSIVE PRESENTATION ON LEVERAGING REVIT, ECOM, AND LCA TOOLS TO GATHER EMBODIED CARBON DATA AND EFFICIENTLY DOCUMENT IT IN ALIGNMENT WITH SE2050 REPORTING REQUIREMENTS. IN ADVANCE, ISTRUCTE'S ARTICLES ON METHODOLOGIES FOR CALCULATING EMBODIED CARBON WILL BE SHARED WITH ALL FIRM MEMBERS.

IN MARCH OF 2026, OUR EMBODIED CARBON CHAMPION, DAVID MATHENY, WILL SUBMIT OUR FIRST SET OF EMBODIED CARBON DATA FOR TWO OF OUR LARGEST PROJECTS IN 2025, THE ROANOKE MAIN STREET PARKING GARAGE IN ROANOKE, TEXAS AND THE RIDGEVIEW CHURCH EXPANSION IN ROCKWALL, TEXAS. OUR GOAL IS TO SUBMIT DATA FOR FOUR PROJECTS THE FOLLOWING YEAR.



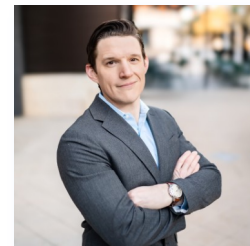
AVOCACY

BY THE END OF OUR FIRST YEAR, WE AIM TO DEVELOP A COMPREHENSIVE PRESENTATION HIGHLIGHTING THE GLOBAL SIGNIFICANCE OF REDUCING EMBODIED CARBON AND THE TANGIBLE BENEFITS OF ADOPTING EMBODIED CARBON REDUCTION STRATEGIES. THIS PRESENTATION WILL FEATURE CASE STUDIES FROM PAST PROJECTS AND RELEVANT DATASETS, OFFERING VALUABLE INSIGHTS. OUR GOAL IS TO SHARE THIS PRESENTATION WITH THE ARCHITECTS AND OWNERS WE CLOSELY COLLABORATE WITH AND PRESENT IT AT OUR LOCAL CLF HUB.

AS THE SUBJECT MATTER EXPERTS ON STRUCTURAL MATERIALS, WE HOLD CONSIDERABLE INFLUENCE WITH CLIENTS, CONTRACTORS AND OWNERS. THROUGH KICKOFF MEETINGS, DESIGN CHARRETTEs, AND OAC MEETINGS, WE CAN LEVERAGE OUR EXPERTISE TO ENCOURAGE THE ADOPTION OF EMBODIED CARBON STRATEGIES. BY DEMONSTRATING HOW THESE STRATEGIES ENHANCE THE VALUE OF A STRUCTURE WITHOUT IMPACTING COST OR SCHEDULE, WE CAN GUIDE OUR CLIENTS AND COLLEAGUES TOWARD MORE SUSTAINABLE PRACTICES.

James M. Oler, P.E.
Managing Partner

A handwritten signature in black ink, reading "James M. Oler".



David Matheny, P.E. LEED AP BD+C
Embodied Carbon Champion

A handwritten signature in black ink, reading "David Matheny".

