



Ed Lovelace

Chief Technology Officer

Dr. Ed Lovelace has pioneered efficient, innovative electric power technologies for air, ground, and sea transportation, focusing in recent years on new product development for electrified commercial vehicles such as trucks and buses and eVTOL aircraft.

Ed's experience in developing and deploying hybrid powertrain configurations in ground transportation provides a compelling "roadmap" for Ampaire in aviation. As Chief Technology Officer and Vice President of Engineering at XL Fleet, Ed led the development of hybrid-electric upgrade options for a range of commercial vehicles from major OEMs including Ford and General Motors. XL created cost-saving, emission-reducing trucks and buses for major fleet users—Coca-Cola and FedEx among them, plus school systems and governments.

Ed holds a Ph.D. in electrical engineering from MIT and has held CTO and other leading engineering positions at three electrification startups including XL Fleet and, most recently, Boeing's Aurora Flight Sciences, a leader in autonomous eVTOL aircraft. As Manager of its Electric Power Systems Division and a Boeing Technical Fellow, Ed led electrification technology development, including for batteries, power conditioning electronics, electric machinery and high voltage distribution.

Ed's career has had a singular focus on bringing practical and compelling near-term electrification solutions to market through a platform product strategy aimed at decarbonizing the world. He looks forward to leading Ampaire through a long-term vision for deploying and maturing new technologies.

