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Bio Ahmed Abdelhakim

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Onboard DC Grid™ System

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History and background:

Dr. Ahmed Abdelhakim is the Global Product Manager, Fuel Cell Solutions at ABB Marine & Ports, where he steers the portfolio around ABB's Onboard DC Grid™ and related technologies for zero-emission vessels. His work focuses on bringing fuel-cell power and advanced power electronics into real-world maritime applications. Before moving into product leadership, he worked at ABB's Corporate Research Center in Västerås, Sweden, progressing from Scientist to Principal Scientist and leading R&D in power electronics for energy storage and hydrogen systems. He holds an M.Sc. in Power Electronics from Alexandria University (2013) and a Ph.D. in Power Electronics from the University of Padua (2019). His professional interests span maritime electrification, fuel cells, and energy-efficient power conversion.

