



CERTIFICATION

This is to certify that

Sergio Lopez Casablanca

has successfully completed the course

Power and Signal Integrity: Power Delivery, SSN, and Noise Margin

Date **25 MAR 2025**

Course tutor

Rolf Ostergaard

Rolf Ostergaard



Course duration: 2h 10min **Course content:** Power Distribution Network (PDN) Design, Bypass Capacitors, Bypassing, Ground Bounce and VCC Bounce, Noise Margin Budget and Routing Rules