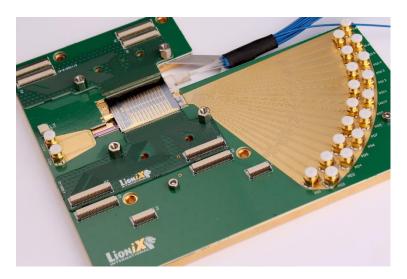


SME Success Story – June 2021



LioniX International

LioniX International has successfully prototyped a twenty-to-one optical beamforming module for the ESA Aidan Project. The modules will be incorporated into high-capacity phased array antennas by antenna manufacturer and project partner Viasat. This next development phase is underway following a successful test flight in May 2021. The next-generation beamforming modules, highlighted at the test flight by the Netherlands Space Office, use stress-optic tuning to enable power-efficient broadband beamsteering.



20:1 optical beamforming module from the AIDAN project with direct RF connectivity (transmit module pictured only).