Waqar Qureshi

Qualifications:

BEng (1st Class Hons) Aerospace Engineering

MSc (Merit) Advanced Aeronautical Engineering

Experience:

Worked on projects in multiple countries including United Kingdom, Ireland, Australia, Denmark, France, New Zealand, Oman, South Africa

Prepared and delivered a CPD session on the technical assessments and their methodology required for building developments. (2023)

Provided technical assistance and planning support for glint and glare on Nationally Significant Infrastructure Projects (NSIP) in the UK (2022-2023)

Undertaken aviation impact assessments and telecommunications impact assessments for wind turbines internationally and building developments in the UK (2021-2023).

Undertaken glint and glare assessments for residential amenity, road safety, rail safety and aviation safety for solar projects internationally and façades of buildings in UK (2020-2023).

Undertaken glare feasibility studies to aid the design of on-airport solar development at regional and international airports (2021-2023)

Evaluated proposed developments against operational and training safety constraints in consultation with UK airport safeguarding teams (2021-2023).

Undertaken field surveys pertaining to television, radio, and mobile telephone reception quality in the UK (2021-2023).

Experience of consultation with stakeholders such as NATS, MOD, RAF, airport safeguarding teams, and planning councils (2021-2023).

Undertaken field surveys pertaining to residential amenity for solar developments (2021).

Undertaken a range of technical assessments, surveys and meetings including:

- Aviation
- Electromagnetic Emissions
- Navigation Beacons
- Radar
- Solar Reflections
- Technical Mitigations
- Telecommunications
- Television Reception
- Shadow Flicker

Technical Presentations

- Assael Architecture – Insight into Safeguarding Solutions for Building developments
- RSK – Glint and Glare

Publications

Produced news articles and editorials covering various topics including:

- Novel wind turbine and solar panel designs
- Wake turbulence
- Military policies on renewable energy
- Renewable Energy Certificates (RECs)
- Renewable Energy Guarantee of Origin (REGO) Certificates
- Environmental Impact of Working from Home
- Energy Policies in EU, Morocco, and China