

Phillip Charhill

Technical Analyst

BSc (Hons) & MSc Economics

Role

Phillip joined Pager Power in 2023 as a Technical Analyst, with his role focusing on assisting developers in assessing, managing, and overcoming technical planning issues for wind, solar, and building projects related to aviation, glint and glare, daylight, and more. A key part of Phillip's role is liaising with planning authorities and stakeholders to address concerns and find positive technical solutions on behalf of developers.



Experience

Undertaken glint and glare assessments of solar panels with a range of mounting structures including rooftop-mounted, ground-mounted fixed, and ground-mounted single-axis tracking, in the context of road safety, residential amenity, aviation activity, railway operations, and public rights of way.

Provided detailed screening analysis to identify the necessary heights and locations to mitigate significant solar reflections and alleviate stakeholder concerns.

Conducted glint and glare assessments for reflective façades of building developments to address concerns from railway operators.

Carried out daylight and sunlight assessments for new build projects and change of use applications, including provision of advice on design optimisation to improve daylighting and address planning officer's concerns.

Provided technical safeguarding assessments of buildings and wind turbines upon radar and CNS equipment and physical safeguarding at international airports.

Provided Environmental Impact Assessment (EIA) scoping report inputs and technical chapters for wind farms on the topics of aviation, shadow flicker, and telecommunication.

Carried out telecommunications impact assessments for large wind farm developments, including consultation with link operators regarding technical mitigation solutions.

Undertaken desk-based assessments of potential impacts upon terrestrial television due to wind farm developments, including consideration of the cumulative impact with existing wind farms in the vicinity. Undertaken field surveys pertaining to television and radio reception quality in the UK.

Undertaken technical assessments covering a range of topics, including:

- | | | |
|-----------------------------|--|---------------------------------------|
| • Aviation Safeguarding | • Daylight, Sunlight and Overshadowing | • Glint and Glare (Solar Reflections) |
| • Radar and CNS Impacts | • Shadow Flicker Impact and Mitigation | • Technical Mitigation |
| • Telecommunication Impacts | • Television and Radio Reception | • Turbulence |

Phillip has worked in eight countries, including the Republic of Ireland, the Netherlands, and Saudi Arabia.

