

# Wind turbine base reuse project

## OPPORTUNITY

Approximately 3,000 onshore wind turbines are currently operating in Scotland. It is anticipated that the re-powering market for onshore wind will start to accelerate by 2020. The reduction in subsidy for onshore wind will accelerate demand for re-powering and drive cost reduction to this process. This in turn will open new design, construction, engineering and manufacturing opportunities for redevelopment of end-of-life-cycle wind turbines, infrastructure and bases.

## PROJECT

This project will identify the beneficial and detrimental effects that may arise if concrete wind turbine bases are removed, or conversely, are re-powered. Ecological, hydrological, biogeochemical and security impacts will be considered.

## OUTCOMES

- A feasibility study identifying costs and benefits of new approaches to design and construction of wind turbine bases
- Contribute to the development of practice and policy in Scotland in relation to wind farm developments, specifically investigating “best practice” options for future wind turbine installations.

## SUPPORT

Total Project Value - £46k

CSIC Contribution - £5k

## PROJECT DURATION

Feb 2017 - April 2017



**Innovation Support:** Process Innovation  
**Sub Sector:** Infrastructure

