



## Study on disruptive effects of wind power plants

**With the move away from fossil fuels, there is growing interest in wind energy. There is a risk, however, that wind power plants in Switzerland could adversely affect DDPS installations. S+T was tasked with doing basic analysis to establish the extent to which wind power plants are potentially disruptive to DDPS systems and to determine the means by which this could be avoided.**

With the move away from fossil fuels, there is growing interest in wind energy. An increasing number of requests to build wind power plants are being submitted in Switzerland, and some of these are located close to DDPS installations. This can adversely affect the DDPS systems – specifically reconnaissance and communication systems. To investigate these effects, several units within the DDPS have tasked S+T with conducting studies on this subject.

The study will establish the current state of knowledge based on existing scientific and technical publications and propose theoretical considerations. To increase the depth of the analysis, simulations and measurements will be undertaken. These studies aim to create a basis on which the DDPS has the legal means to intervene in the construction of wind power plants at specific locations. It will then be possible to identify possible disruption at any early stage or to prevent it in the first place.

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Numerous unknown factors: Swiss wind power plants