Axial Field Electric Machines for Small-Scale Wind Generation

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Project Aims :

permanent magnet generator (AFPM) for small-scale wind generation

Induction machine as teaching tools for 3rd year course, Electric Energy System, with regardless of efficiency and output power.

Why small scale wind generation?

- **u** Suitable for personal usage such personal energy independence and lower electric bill
- □ More than enough to support small community such as farms and school

permanent magnet synchronous generator (AFPM)

	Axial
	Advantages
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Generator input power equals DC motor output	



[3]D. Bang, H. Polinder, G. Shrestha, J.A. Ferreira, Review of Generator Systems for Direct-Drive Wind Turbines, Delft University of Technology, Mekelweg 4, 2628 CD Delft, The Netherlands.

