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	Sommario/riassunto	With increasing concern over climate change and the security of energy supplies, wind power is emerging as an important source of electrical

energy throughout the world. Modern wind turbines use advanced power electronics to provide efficient generator control and to ensure compatible operation with the power system. Wind Energy Generation describes the fundamental principles and modelling of the electrical generator and power electronic systems used in large wind turbines. It also discusses how they interact with the power system and the influence of wind turbines on power system ope