



MATRIX OF MECHANICALLY CONNECTED WIND TURBINES

Innovative device for producing electrical power using mechanically connected wind turbines

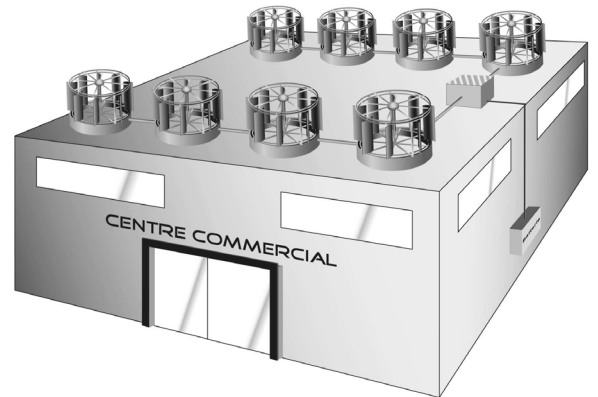
Technological benefits

Use of small wind turbines

Limited noise emissions: easy to implement
Easy implementation on existing structures

Mechanical transmission

All wind turbines driven, even at low wind speeds
Significant torque obtained
Use of a single alternator



Example installation

Invention overview

Matrix of small, mechanically connected wind turbines. All the wind turbines are connected to a single generator, thus avoiding the need to add an electrical device to each wind turbine and enabling all wind turbines to operate simultaneously.

Potential applications

Additional electrical power supply

For residential buildings, office blocks and shopping centres

Commercial benefits

A cost-effective solution

Use of very low-cost wind turbines
Easy to repair and replace

Suited to urban environments

Withstands variations in air flow
No building permit required

Strong visual impact

All the wind turbines can rotate at the same time

TRL : 2

Patented invention, available under license