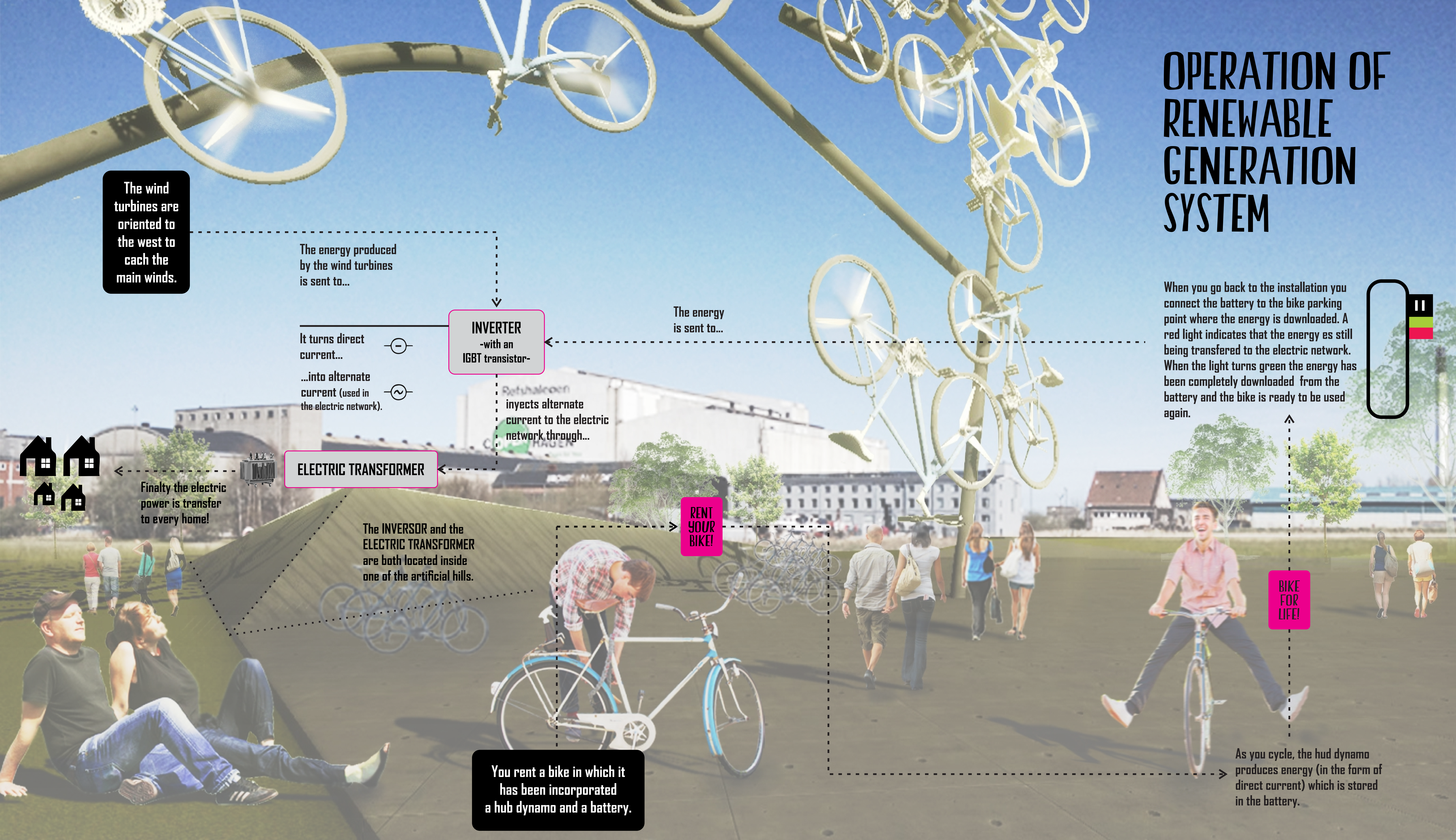


# OPERATION OF RENEWABLE GENERATION SYSTEM



When you go back to the installation you connect the battery to the bike parking point where the energy is downloaded. A red light indicates that the energy es still being transferred to the electric network. When the light turns green the energy has been completely downloaded from the battery and the bike is ready to be used again.

**Denmark has already unexceptional wind resources, 22% of the total electricity consumption is produced by wind turbines, the highest rate in the world.**

This is because wind turbines make a significant contribution to achieving carbon-reduction goals and the creation of new jobs. Based on this, one of the main goals of the installation was to offer the city a large green area where wind turbines could be placed in, providing it with renewable energy at the same time as we raise a new landmark for Copenhage to be enjoyed for the people themselves, creating green awareness.



**88%**

Number of people who cycle because it is the fastest or most convenient way to get around in the city.

**IT'S ALSO HEALTHIER!**



Human diets contain between 1.000 kcal/day (1 kcal = 1.000 calories) to 4.000 kcal/día. If we eat more calories than we can spend per day, we get fat and we can lose metabolic capacity, which is extremely harmful to our health.

A medium age cyclist pedaling between 10 y 20 km/h consumes between 245 to 410 kcal/hour. Doing this kind of exercise for 1 hour every day every week means burning between 1 to 1,5 kg of fat and will provide us the energy we need to watch a movie on DVD on a 19 inches flat screen.

**DYNAMO**

Riding a bike during an huor at constant speed allows us to produce 100 W/h, with a consumption of body energy of 85,8 Kcal.

Renewable Energy Generation + Healthier Population