

# 10 steps to become a peer-2-peer energy trader

## INSTALL MEASUREMENTS DEVICES

1 Check if your house is already equipped with a smart meter and/or smart plugs. If not, get a smart meter through your energy provider and smart plugs online or in a physical shop.

A **smart meter** allows you to monitor your house consumption in a secure way and a **smart plug** helps you to keep track on individual devices (e.g. oven, fridge...).



Use open source firmware like Tasmota or our solution available here to ensure your data security and integrity

## KNOW YOUR CONSUMPTION

2 Once you know how much energy you consume on what time, you can start thinking about producing it on your own or connect to an energy community.

There are different possibilities to monitor your consumption: you can use your **energy provider's app**, **the plugs' platform** or **our monitoring solution**.



## PREDICT HOW MUCH ENERGY YOU WILL NEED IN THE NEXT 5-10 YEARS

3 Planning to **expand your family/company**, expand the house/building, buy an electric car/e-fleet? These are all activities impacting your future energy consumption and cost. This is why it is key to predict your future energy demand and consumption. Different models co-exist, you can ask your solar panel or energy provider for advice. If you see how much energy you are going to need in the next 5-10 years, you will realise that producing your own energy could be beneficial and **cost-saving**.



A typical household consumes 3.000kWh/year and an electric car 4.500kWh/year with an electricity price of 30 cents, that would be 22.500€ in 10 years.

BC4P  
ROADMAP

## TALK TO YOUR NEIGHBOUR / FIND A COMMUNITY

4 You are **not alone** spending too much on energy! Your neighbour might have similar concerns and be interested to **share energy**. You can also contact the local authority, like for example the "Guichet de l'énergie" in Wallonia.

Being part of a local energy community can provide you the necessary support and motivation to optimise your behaviour and start sharing energy.



## OPTIMISE YOUR BEHAVIOUR TO SPARE MONEY

5 We are used to certain level of energy usage but do we really need it all and all the time? Recent energy events taught us that **flexible energy usage** is important!

There is a new way of life ahead of us and we might start now to optimise our behaviour and use **the right energy at the right moment**.

Another way to **reduce the dependency** on certain energy sources is the addition of local production capacities like PV systems or windmills.



Charge your electric car rather when there is a lot of renewable energy in the grid, with a flexible electricity tariff you can save a lot of money at these times!



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## REVIEW YOUR PRODUCTION CAPACITIES

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If you are optimising your behaviour and have already installed production capacities at home (**solar panels**, **windmills**,...), you might still need extra energy at some point during the day.

One possibility is to install **energy storage**, another one is to connect with another prosumer.

## CONNECT TO THE COMMUNITY

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As already possible in Brussels and some parts of Flanders, such connection between **prosumers** will soon spread across Europe (grid, meter to the platform, etc.).

Check what are the possibilities in your country through **your local decision-makers**. Ask them specifically how they want to fully implement the European REDII Directive. You might be a pioneer!

## GET A CRYPTOWALLET

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Download a cryptowallet (like Metamask) associated with the cryptotoken you like. Buy the the **cryptotoken** in an exchange or through the cryptowallet itself. Install the cryptowallet to purchase tokens from the BC4P project within your community. You are **ready to trade** but in order to do so, you have to set up a smart contract.



## FIND A TRADING PARTNER AND SET UP A SMART CONTRACT

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Go to the BC4P community node, register **your assets** in a smart contract from BC4P and load your profile with tokens from BC4P. If you want, you can use another strategy to trade.

You can **specify your preferences** as part of your contract: trade only certain types of energy (green, wind,...) or trade only with one specific partner or only at a certain distance.

## TRADE!

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You are now a **prosumer**!  
You can change your preferences, evaluate your trading strategy, etc. through your smart contract.

