Introduction:

We must go to a most efficient, ecological and green world. Going towards nowadays we are trying to mix organic tissues with electronic devices. Usually this kind of creations are based in animal life and commonly in humans. We can use prosthetic arms or legs to aid us, we can use cardiac or brain pacemakers to control own health parameters or we can put lenses eyes within.

But our world there are plenty of other living beings: the vegetables. In the streets of the cities and also in the parks, usually we can found some kind of bushes or trees. This beings only are ornamental, and a little, air cleaners. They help us to make the cities more human and remember us that we are living beings too.

But, maybe we can use this urban elements to make something more.

Project Brief:

The objective of this project is to make the first evaluation of the possibility to put electronic devices inside trees, or other kind of vegetales.

- Must demonstrate the usability of the electric power from the plants to supply energy to the electronic implants.
- Must evaluate the possibility of put sensors, antennas, or other electronic devices inside the trees, and study how we hurt them.
- Must design a prototype/s and which kind of materials are better to make it.
- If we can, build some simple prototype.

The system must be mimetic, easy to maintain, and energy self powered.

Company
Name: Neapolis
Address: Rambla exposició 59 - 69
Contact person:
Josep Farré josepft@neapolis.cat 936571221

Project team:

Students speciality:
- Electrical engineering
- Electronics engineering
- Computer engineering
- Biologist