

GREEN SCOUTS

GREEN CIRCUIT

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MY COMPANY



D.I. By Plazzer

Electrician works



- Indoor Installations
- Automation
- Telecommunications

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iD.

BY PLAZZER

WE ARE YOUR TECHNOLOGY PARTNER

WHAT WAS MY IDEA?

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CABLE RECYCLING



On an average residential project, between 200 and 1,000 meters of electrical cable can be used per day, depending on the progress of the installation.

reducing waste



A cable factory can produce tens of thousands of meters per day, depending on its capacity.

reducing waste



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EVOLUTION OF PROGRESS

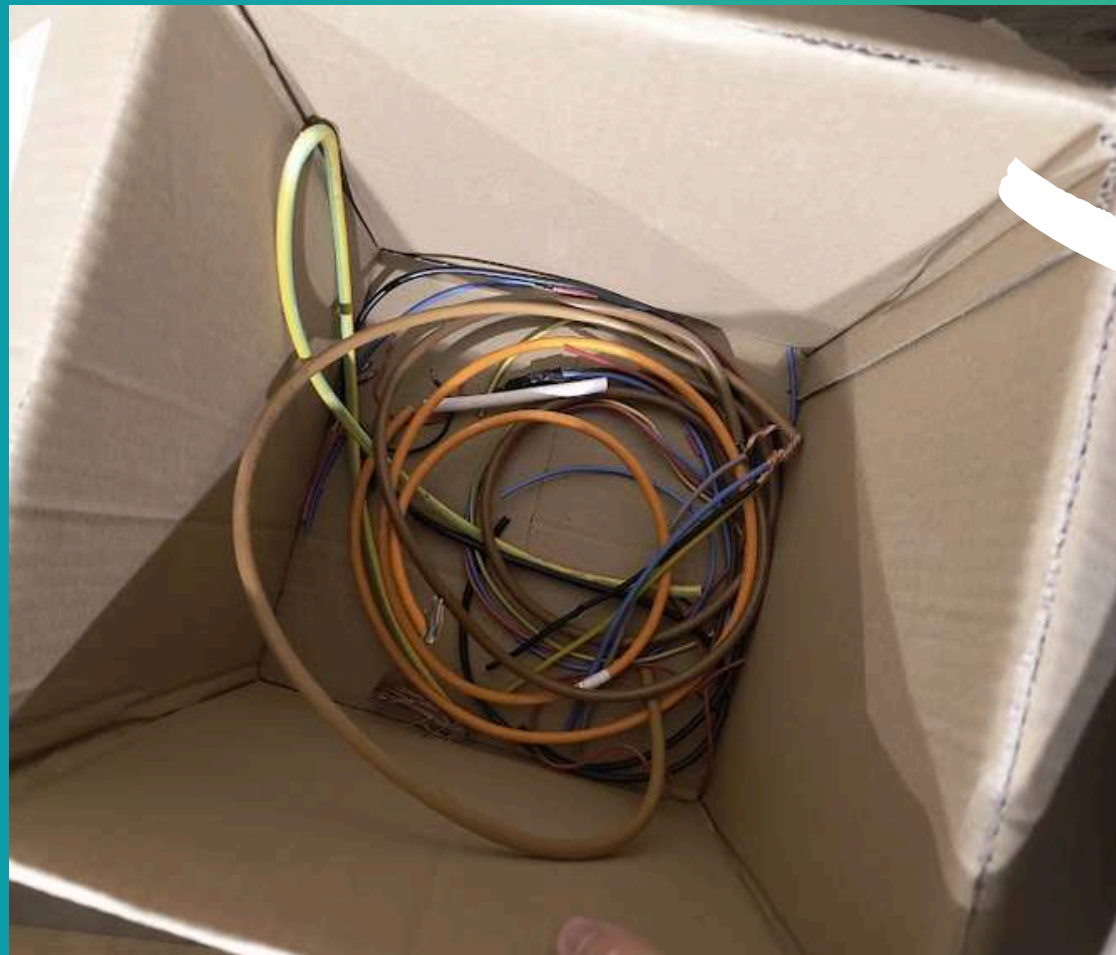
That was the evolution of progress during the weeks.

Mon, Mar 17

Thu, Mar 20

Fri, Mar 29

1 kg



2,5 kg



6 kg



EVOLUTION OF PROGRESS

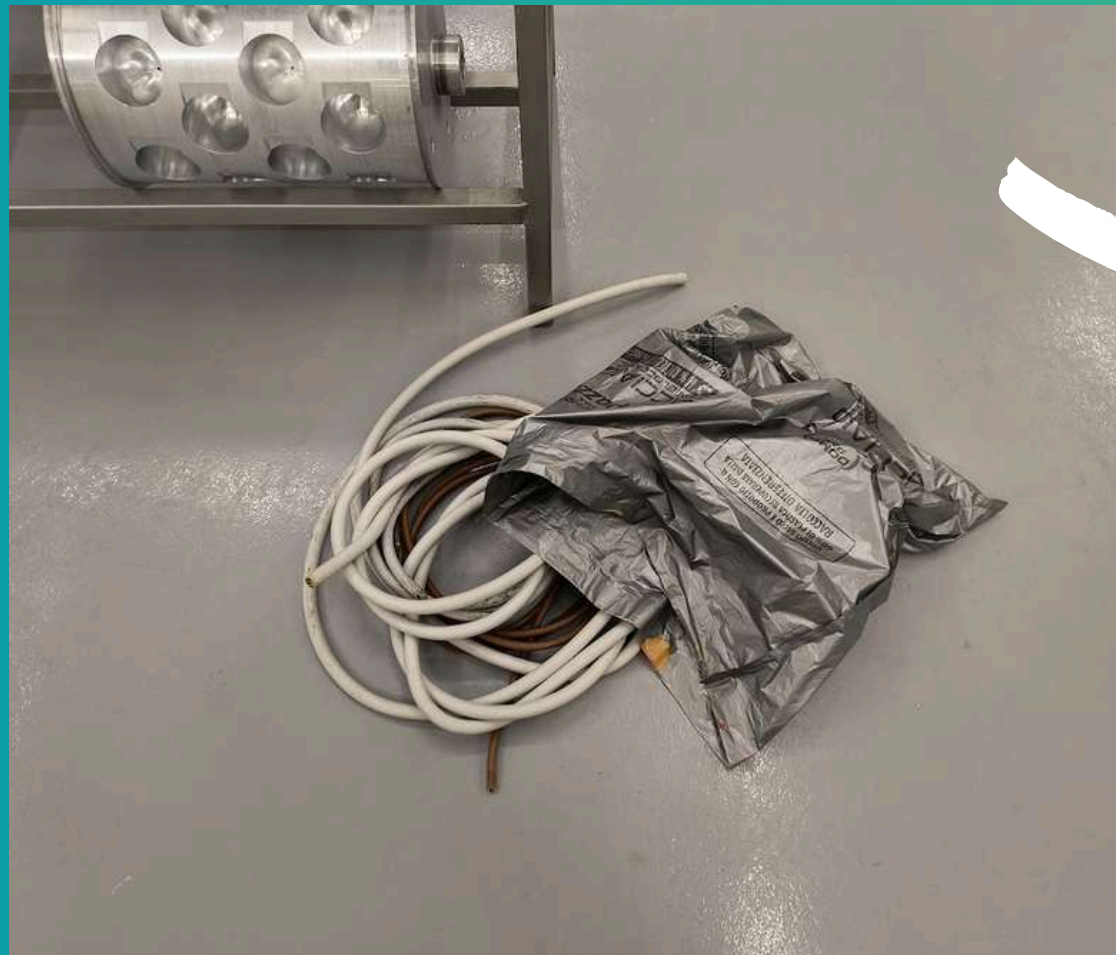
That was the evolution of progress during the weeks.

Wed, Apr 2

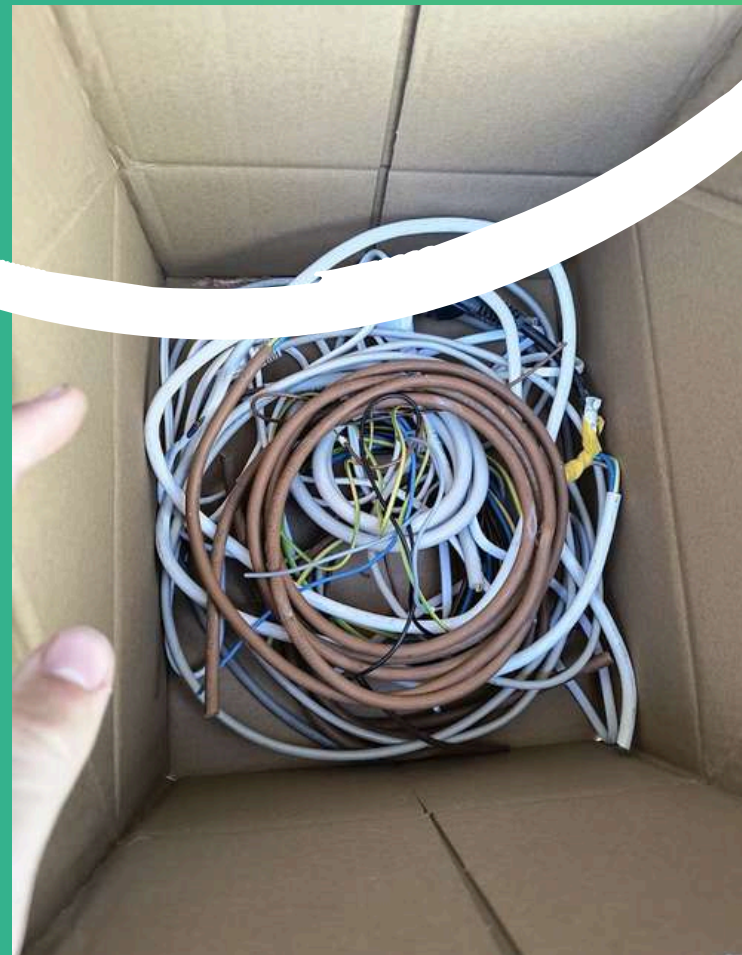
Thu, Apr 8

Wed, Apr 30

1 kg



2,5 kg



6 kg



CARDBOARD RECYCLING



More than 5 million tons of cardboard are produced each year.

reducing waste



This represents around 13,700 tons per day on average.

reducing waste



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EVOLUTION OF PROGRESS

That was the evolution of progress during the weeks.



Wed, Mar 26

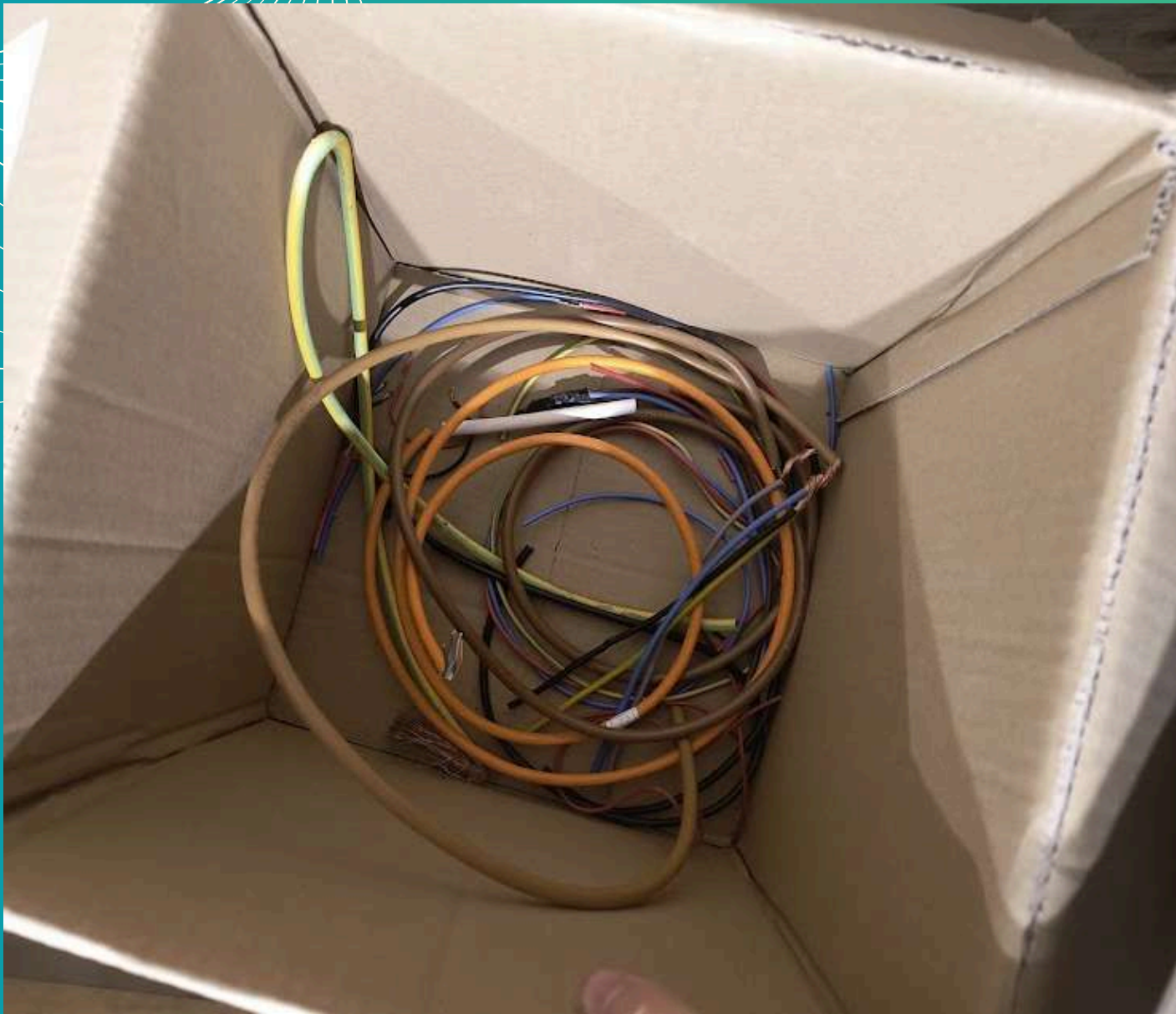


Mon, Mar 31



Wed, Apr 30

RECYCLE IMPACT



→ If we recycle 1 kg of cables

- Up to 600 g of copper is recovered, enough to produce small electrical wires or electronic components.
- Up to 500 g of plastic is obtained, which can be reused in insulation or molded plastic parts.

RECYCLE IMPACT

→ If we recycle 6 kg of cables

- Up to 3.6 kg of copper is recovered, which can be used to manufacture new cables, motor coils, or even parts of complete electrical systems.
- Up to 3 kg of recycled plastic is obtained, useful for producing device casings, electrical conduits, or construction materials.



WHAT WE'VE DONE WITH THE MATERIAL?

After recycling a full box, we went to a center called sudtirolder where all the material is recycled to put it back into circulation.



WHAT CAN WE DO WITH THAT RECYCLED MATERIAL?

- ◆ Copper (6 kg of cables = up to 3.6 kg of recycled copper)
 - ✓ Can be used to manufacture:
 - 30–50 meters of new electrical wiring.
 - Small motor coils.
 - Parts of electronic circuits.
- ◆ Plastic (6 kg of cables = up to 3 kg of recycled plastic)
 - ✓ Can be reused to produce:
 - More than 200 plastic cable connectors.
 - Electrical outlet casings.
 - Molded plastic objects for construction.



IT IS THAT IDEA SMART?

Sure!



MY IDEA OF RECYCLING CABLES AND PLASTICS IN THE ELECTRICAL INDUSTRY MEETS THE SMART CRITERIA:



- ◆ **Specific:** It focuses on reducing electrical waste through recycling and reusing materials.
- ◆ **Measurable:** We can track impact by measuring the amount of recycled waste, cost savings, and waste reduction.
- ◆ **Time-bound:** We have a structured plan with short-, medium-, and long-term phases for implementation.

◆ **Achievable:** It is feasible since we already have access to these materials and existing recycling processes.

◆ **Relevant:** It contributes to sustainability, enhances the company's image, and reduces environmental impact.

📌 **Conclusion:** Our initiative is well-structured and feasible within the SMART framework.

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PHOTOVOLTAIC PANELS



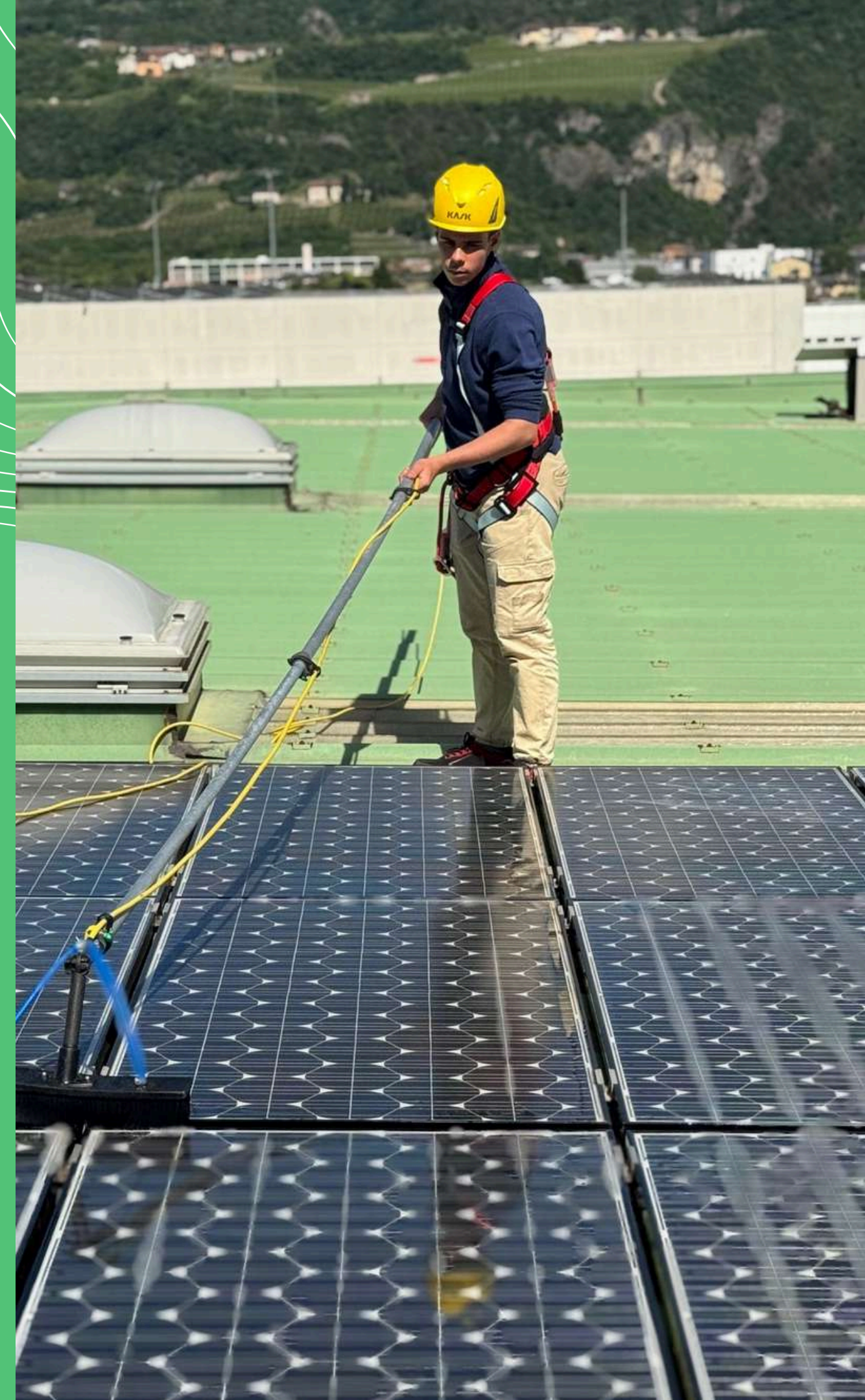
A photovoltaic panel is a device that converts solar energy into electricity through the photovoltaic effect.



Photovoltaic panels are so widely used because they allow us to generate clean, free electricity from the sun, reducing energy costs and dependence on fossil fuels. reducing waste



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CLEANING SYSTEM



It is common to use harmful products to clean the panels. However, those products are actually harming the environment



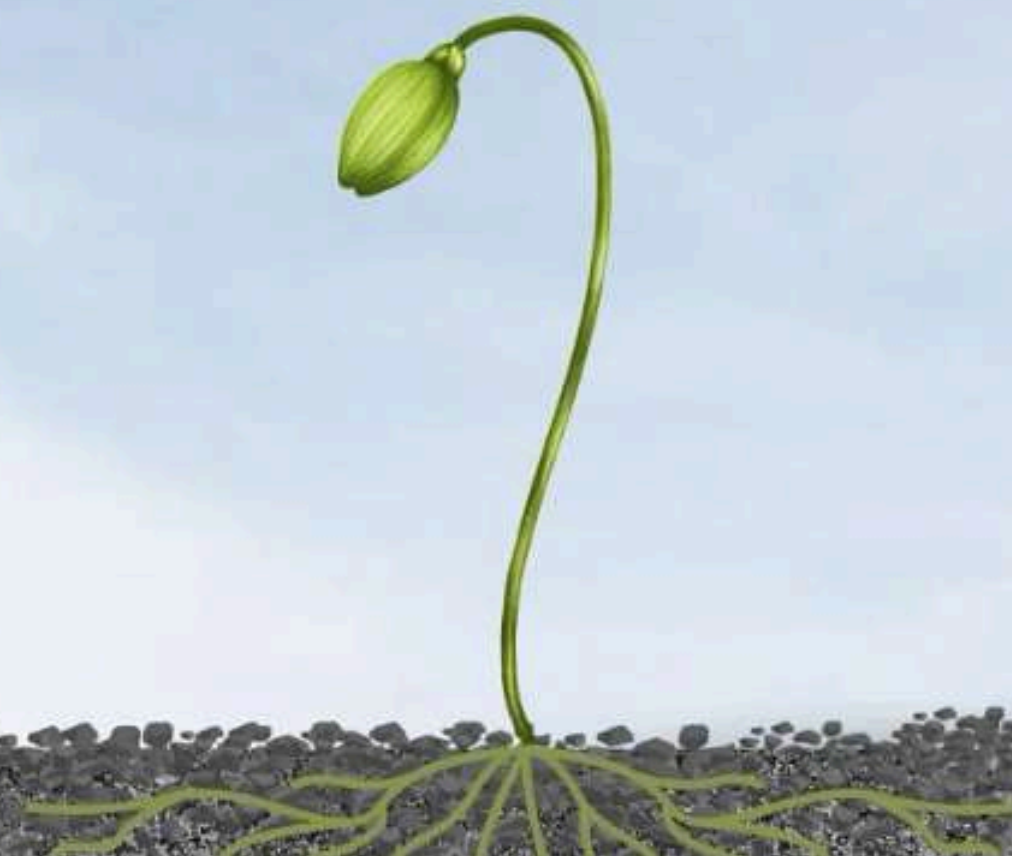
Intead of those products we've used a special machine **reducing waste**



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SAPEVI CHE LA NOSTRA AZIENDA È **GREEN** ?

abbiamo scelto tecnologie di pulizia innovative e sostenibili, eliminando l'uso di sostanze chimiche nocive



CLEANING SYSTEM



This specific model is from iTECH's HighPure brand, designed to generate purified (demineralized) water through several stages of filtration, including:

What is for?

Solar panel cleaning: Purified water prevents mineral residues that could affect panel performance.

High-rise glass or facade cleaning: Use with telescopic poles and special brushes. No need to dry, as water doesn't leave streaks.

Gentle cleaning without harsh chemicals.



CLEANING SYSTEM



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CONCLUSIONS



AS LITTLE AS IT MAY SEEM,
RECYCLING CABLES CAN
HELP THE ENVIRONMENT A
LOT.



ALWAYS LOOK FOR A
WAY TO RECYCLE
MATERIAL AT WORK.



TRY TO USE
NON-HARMFUL
MATERIALS



SEE YA!

I hope these ideas can be useful for
all of you!



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