



*SECAB Società Cooperativa*



## **Clean Energy Conference**

**27 th May 2025  
Salcano, Slovenia**

### **Case Study (2): Green Electricity for Alto But**

*Ennio Pittino  
President - SECAB Cooperative Company*



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*Società Cooperativa*

*SECAB Cooperative company*

## **ABOUT US**

A Cooperative that **produces and distributes** electricity following three principles:

**ECO-SUSTAINABILITY**



**COMMUNITY and COOPERATION**



**INNOVATION**





## SECAB Cooperative company ABOUT US

Self-producing to self-consume energy means:  
**Generate benefits for all its members**

**BETTER SERVICE**



**ECONOMIC ADVANTAGES ON CONSUMPTION**



**ATTENTION TO  
LOCAL COMMUNITIES**



Cost savings:  
**40% LESS** than other operators'  
average rate

## **ABOUT US**

**over 3.000 members**

*On an area of 170 Km<sup>2</sup> -  
5 municipalities*



*Ravascletto*



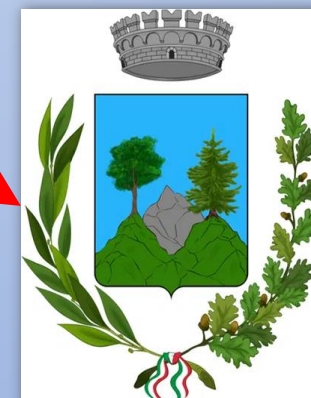
*Cercivento*



*Sutrio*



*Paluzza*



*Treppo  
Ligosullo*

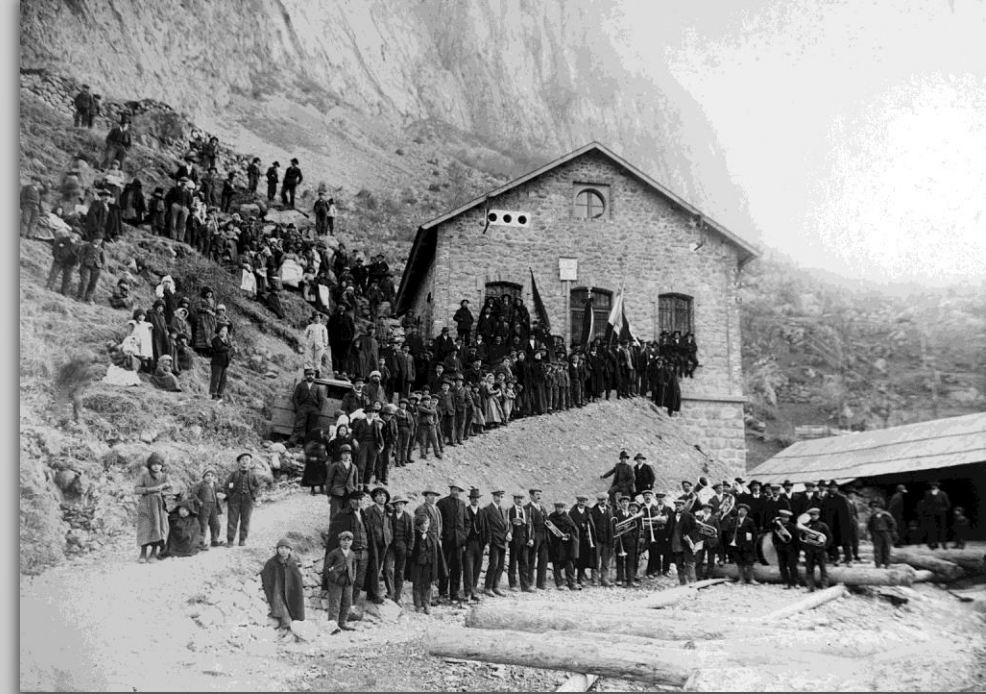
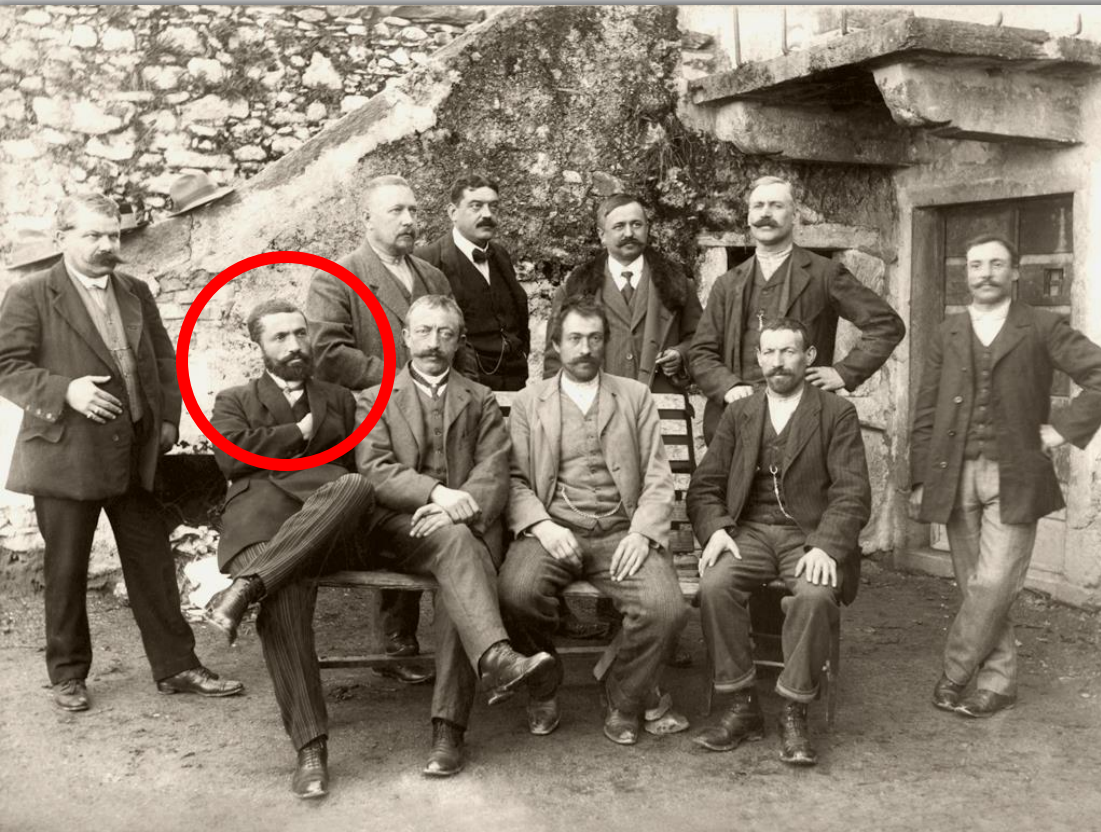




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## ***The history of SECAB***



**1913 the Fontanone power plant  
is inaugurated**

**It was founded in 1911  
on the initiative of some  
cooperators of the area and was led by:**

**Antonio Barbacetto di Prun**



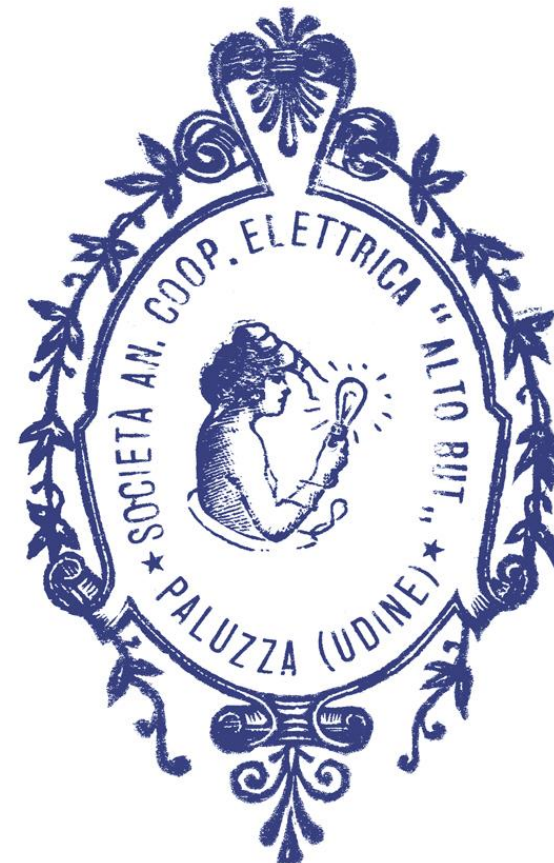
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## ***The history of SECAB***

With the start of operation of the Fontanone power plant (1913), SECAB is the first company producing and distributing electricity with the legal form of a cooperative in Friuli region .

Even to this day it is the most important **Cooperative Company** of the sector in the region.



ESCHER WISSE  
1913 + 1952



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# ***SECAB over the years***

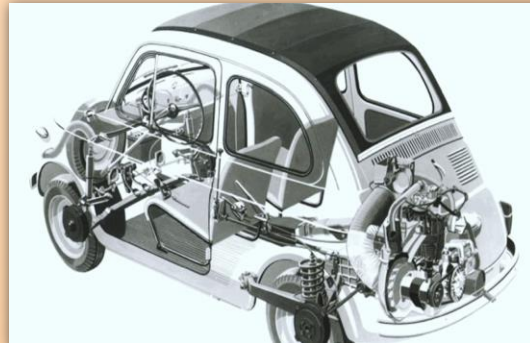
**1914 – 1918**  
**First world war**



**1939 – 1945**  
**Second world war**



**1960s**  
**Economic Boom**



**1962**  
**ENEL is born**  
(Electric cooperatives such as  
SECAB are excluded from the  
legislative provision)



**1963**  
**Vajont disaster**  
(nearly 2.000 victims and  
1.300 missing)



**1966**  
**Devastating flood**  
(over 130 victims, almost 400  
injured and over 88.000 displaced  
and homeless in Italy)



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# ***SECAB over the years***

**1976**

**Earthquake in Friuli**  
(about 1.000 victims, and over  
45.000 homeless)



**2018**

**Storm VAIA**



**2020**

**Pandemic COVID**



**2022**

**Energy crisis**



**2022**

**Winter without snow  
and severe drought**



In 113 years our Cooperative has  
always guaranteed and continues  
to guarantee the electricity supply



**1913**

Hydroelectric  
power plant  
**Fontanone**

Renovated in **2022**



**1959**

Hydroelectric  
power plant  
**Enfretors**

**2025** under  
renovation



**1986**

Hydroelectric  
power plant  
**Museis**



**1991**

Hydroelectric  
power plant  
**Mieli**





## ***SECAB today***

**2004**

Hydroelectric  
power plant  
**Noiariis**



**2021**

Hydroelectric  
power plant  
**Noiariis 2**



**2006**

**Primary  
Cabin**

(important for  
exchange with the  
national network)



**2023**

**FV on public  
buildings in  
the area**

(about 400 kW)







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## ***SECAB tomorrow***

**2025**

**FV Casteons**

In the process of  
being activated  
(about 700 kW)



In progress

**2025**

**Central  
refurbishment  
Enfretors**

In progress



**In the future?**

**Energy  
storage  
systems**



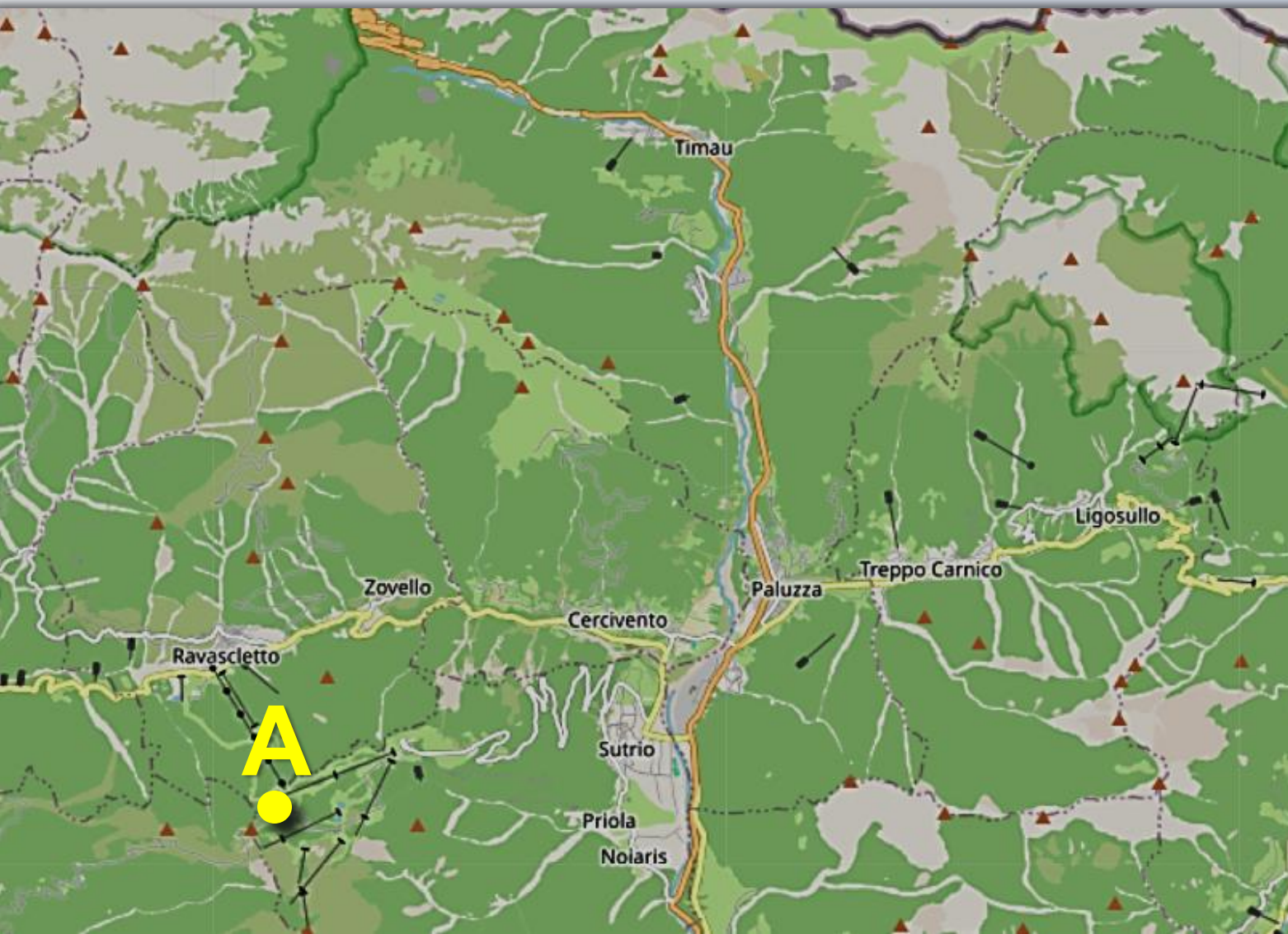
**In the future?**

**Experimental  
green  
hydrogen  
plant**





**PROJECT AMETHyST = SECAB → H<sub>2</sub> → Partner**



**A Promoturismo FVG**







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**PROJECT AMETHyST = SECAB →  $H_2$  → Partner**

**B** Municipalities  
(school bus) e TPL



Over all **81 Km** A.R. to reach  
all the villages of the  
SECAB geographical area

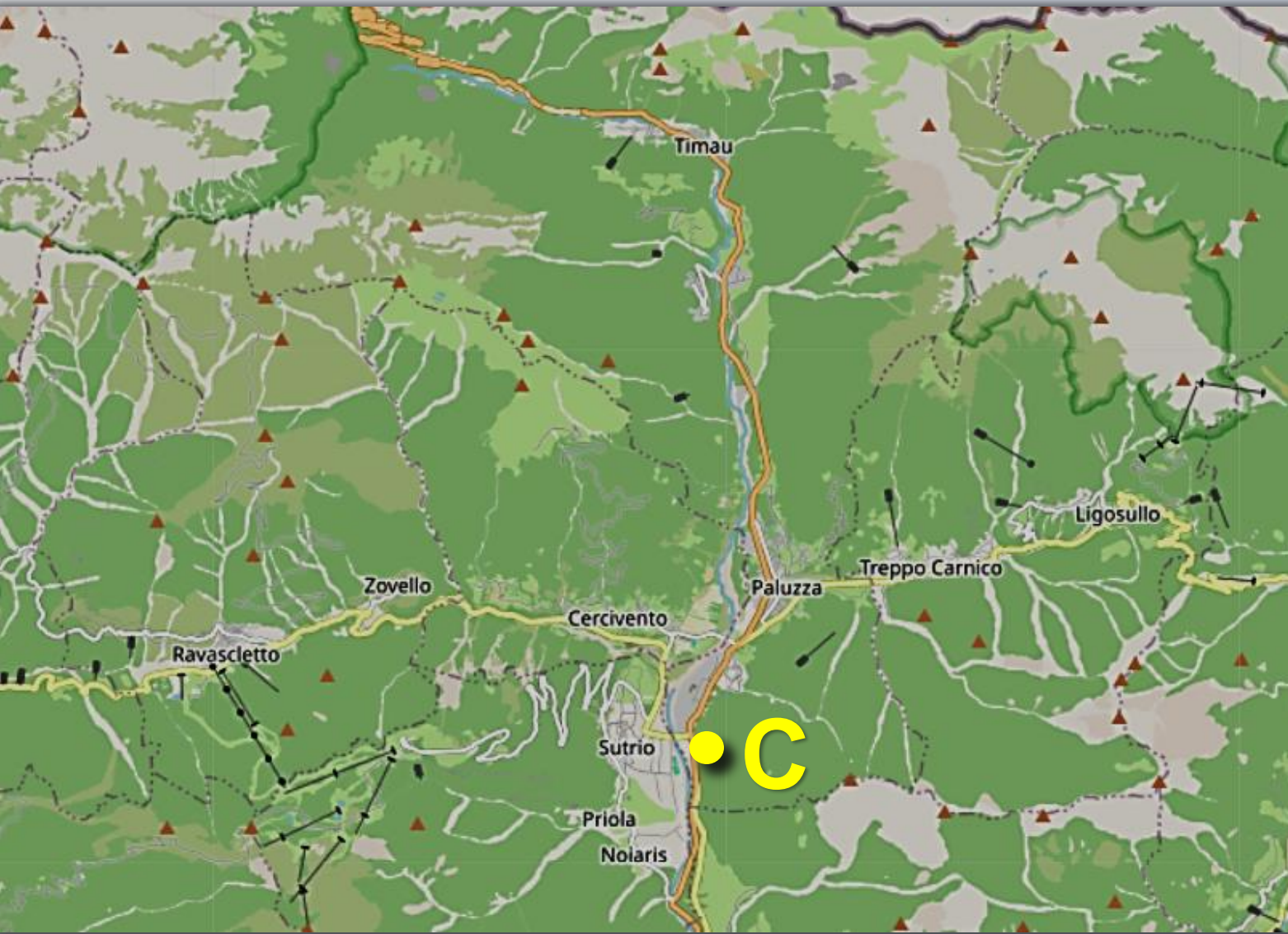




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**PROJECT AMETHyST = SECAB →  $H_2$  → Partner**



**C Industry and craftsmanship**



**Forklift  $H_2$  2.5 min. for a refueling and 6 hours of autonomy on the move**





**SECAB**

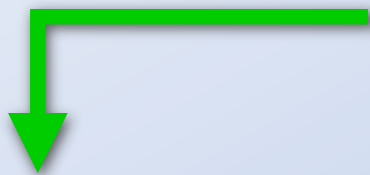
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**PROJECT AMETHyST = SECAB →  $H_2$  → Partner**

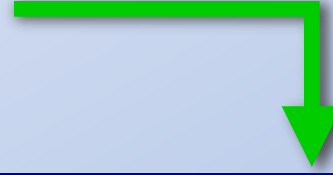
**SECAB SELF PRODUCTION - USER SELF CONSUMPTION**



**AVAILABLE ENERGY**



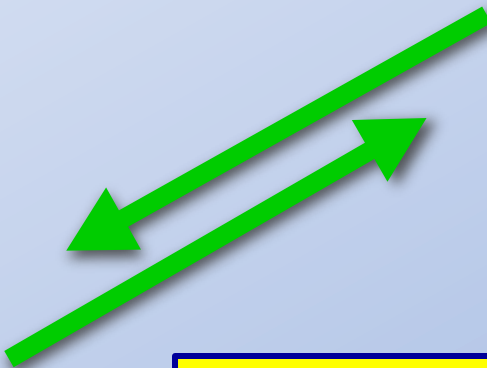
**TODAY SECAB SELLS TO  
THE GRID TO A TRADER**



**TOMORROW TRANSFORMED  
INTO  $H_2$  FOR PARTNERS**



**ENVIRONMENTAL AND SOCIAL BENEFITS**



**POSSIBLE EXCHANGE  
WITH *NAHV Alto Adriatico***



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**PV system covering tennis court Paluzza.  
Realization SECAB**

*Thank you for your attention*

*Ennio Pittino*

*President SECAB*