

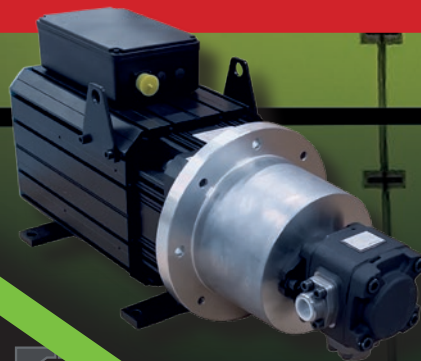


SWISS ENGINEERING

# ECOFIT



**REDUCTION IN ELECTRICAL ENERGY CONSUMPTION by up to 35%**



# ECOFIT

# Engadin Tailwinds

with the collaborazion of



## ► EcoFit System

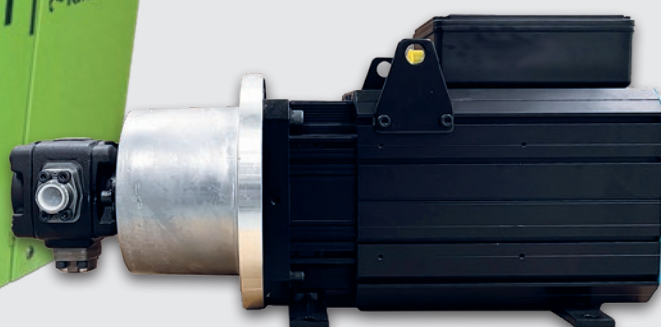
In a world where the reuse and saving of resources has become paramount, **Engadin Tailwinds** wanted to develop “**Ecofit**”: a **unique injection moulding machine retrofit system** based on hydraulic servo drive, which **allows energy savings of more than 30 per cent compared to traditional systems**.

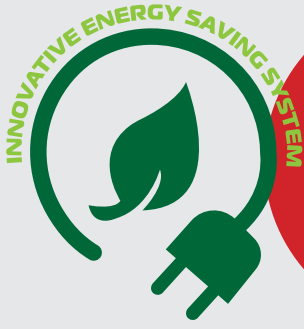
## EXCLUSIVE INNOVATION



*The **EcoFit** system makes it possible to improve the efficiency of presses and reduce their power consumption by replacing the main parts of the moulding system with:*

- + Servo Motor INOVANCE
- + Drive System INOVANCE
- + Hydraulic Gear Pump SUNNY





# REDUCTION IN ELECTRICAL ENERGY CONSUMPTION by up to 35%

**Ecofit by Engadin Tailwinds** provides precise regulation of pump power and torque according to the actual needs of the work cycle, while maintaining the original heating system.

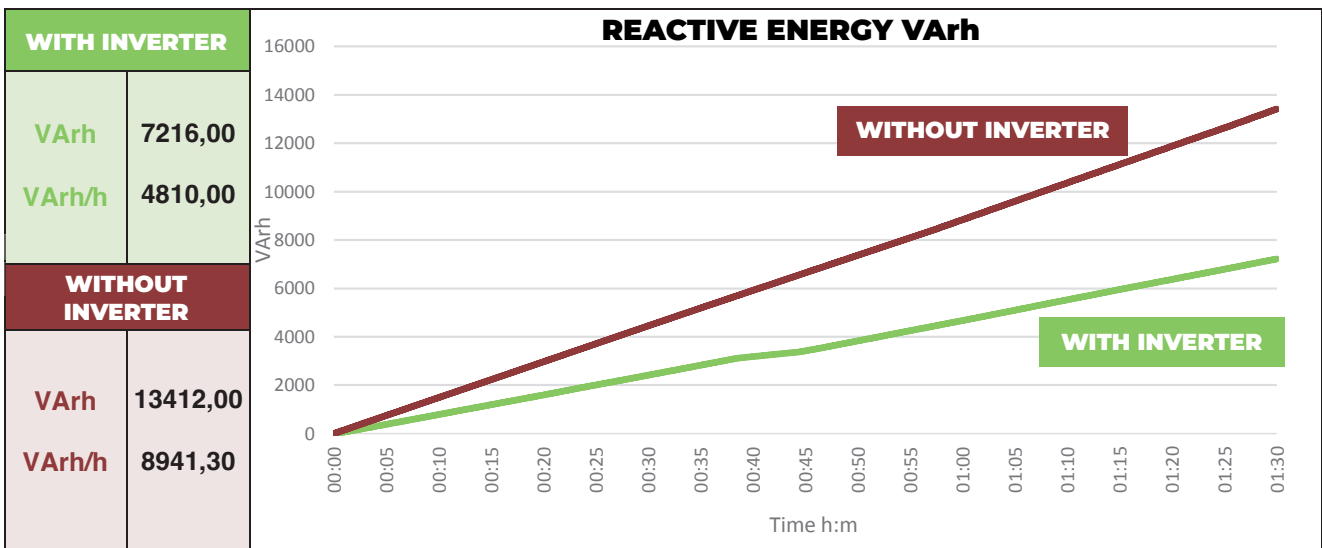
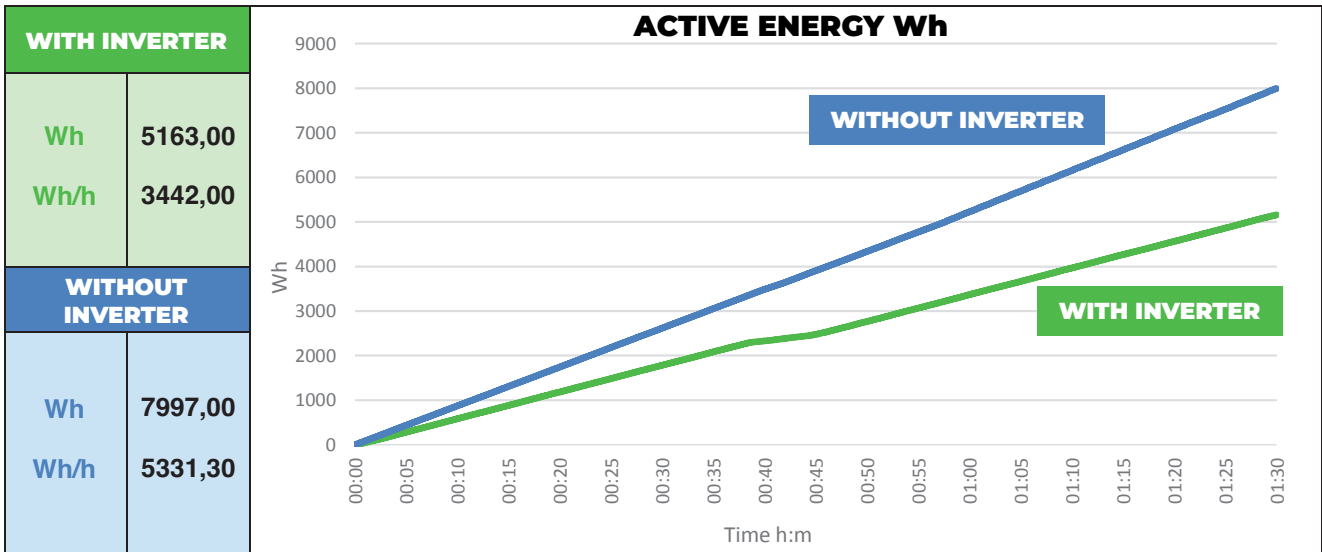
**Ecofit by Engadin Tailwinds** was tested by measuring electrical parameters on two identical 80 ton presses: one with the original operating system and the other with the new system.

The mould fitted, the material used (FORFLEX T 570°), the climatic conditions and the heating time remained identical.

A Chauvin Arnoux Qualistar C.A. 8336 network analyser configured to take measurements at 1-second intervals for a total of 90 minutes was used for the measurements.

The measured data show a clear energy improvement of the press with a reduction in energy demand of more than 30%.

The energy efficiency is substantial not only for Active Energy but also for Reactive Energy.





**SWISS ENGINEERING**

- **SERVICE AND MAINTENANCE**
  - **MOULD DESIGN**
  - **SPARE PARTS**
- **REVERSE ENGINEERING**
  - **3D PRINTING**
- **REPAIRING PROPORTIONAL VALVES**
- **“ECOFIT” INNOVARTIVE SYSTEM**

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