

ECS
BROKERAGE
EVENT

ACTIVE TECHNOLOGIES

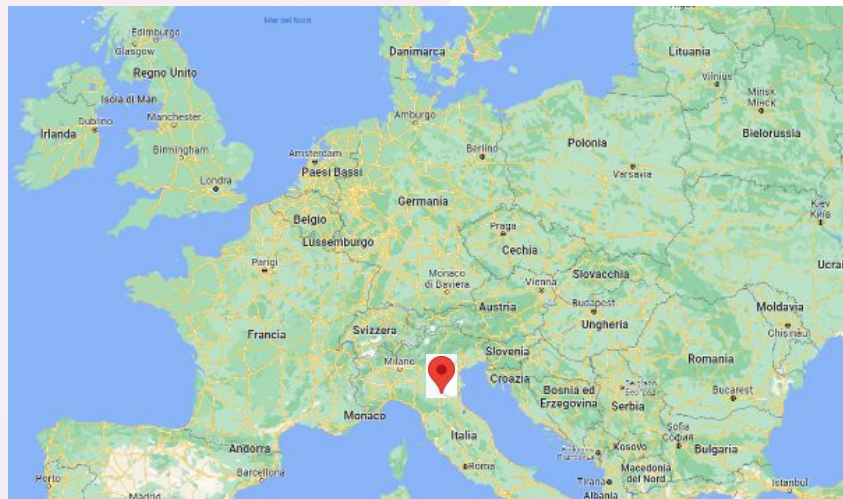
Company presentation

Michele Ramponi

ACTIVE TECHNOLOGIES SRL

E-mail: ramponi@activetechnologies.it

Company at a glance



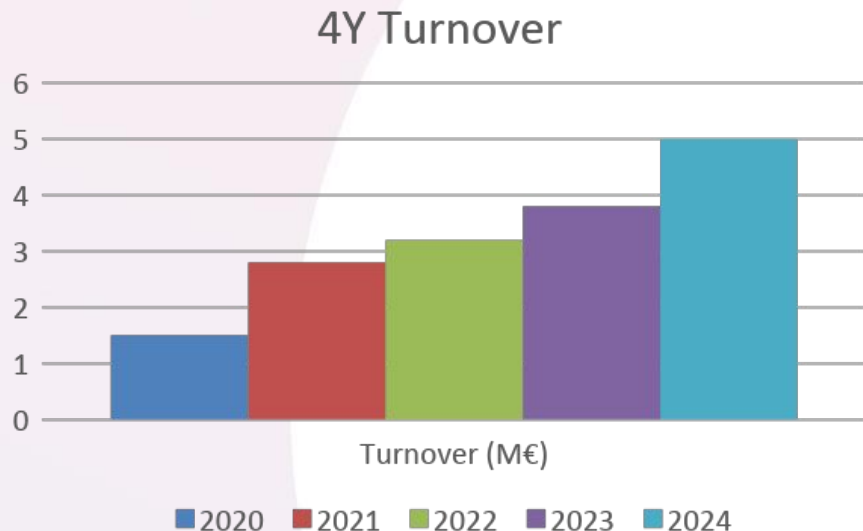
- **SME** located in north-east of Italy
- Sector: **Test & Measurement**
 - **Arbitrary Waveform Generators (AWGs)**
 - **Pulse Pattern Generators (PPGs)**



- Active Technologies is the only EU company with a complete AWG and PPG product portfolio (200 MSa/s to 20 GSa/s)



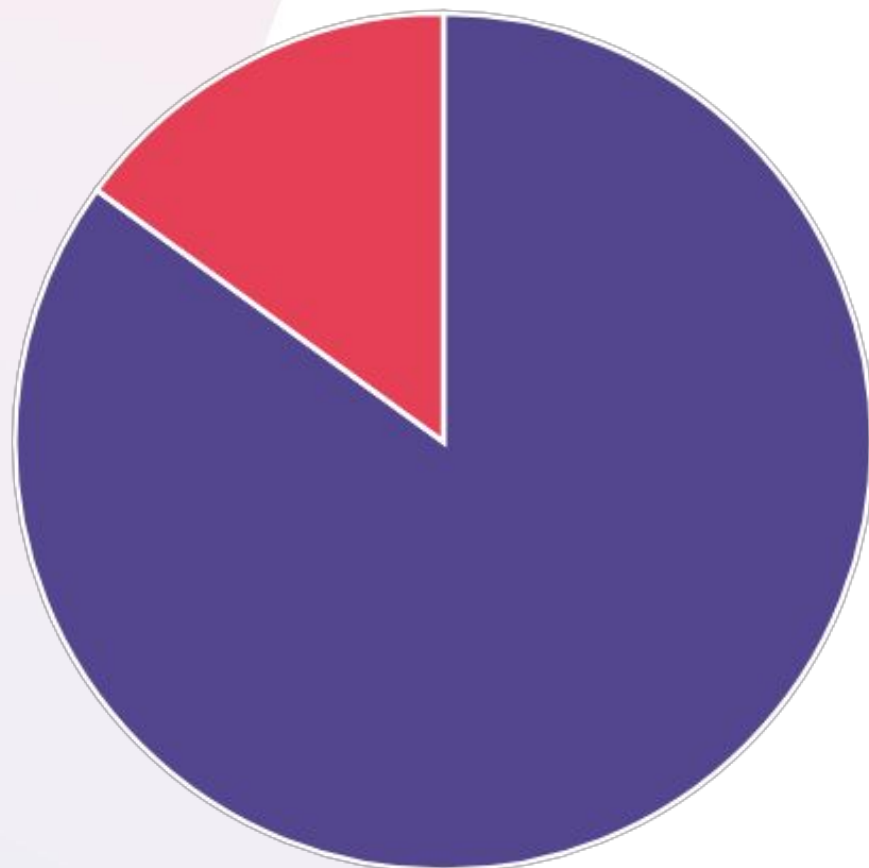
Company at a glance



- 14 employees (Dec.2024)
 - 10 in R&D dept.
- 5 M€ Total revenue
 - ~ 350 K€ per employee
- **R&I expenses > 25 % of revenue**
- Experience in FP7, H2020, ECSEL and KDT projects
 - Currently partner in “HICONNECTS” KDT project (started 1st of Jan.’23)
- Since Jan.’23 member of AENEAS

Application & Market Area

High performance AWGs and PPGs Market Share



■ USA Manufacturers ■ ROTW Manufacturers

- AWG and PPG market is a niche : < 1 Bil. USD
- 85% of the market is controlled by US players
- It means a good opportunity to increase EU market share

Application & Market Area

- High performance AWGs and PPGs applications

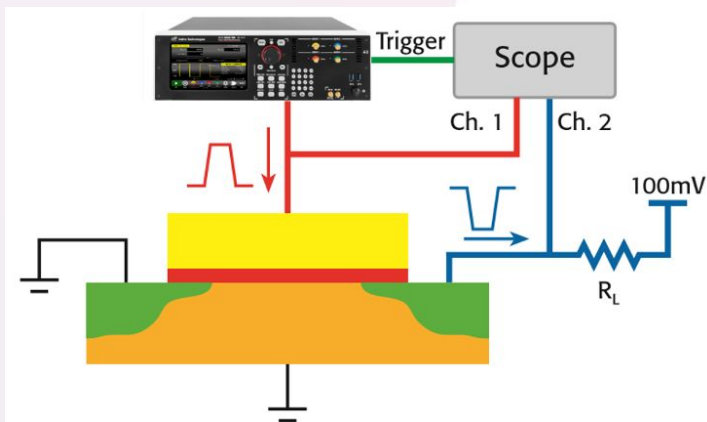
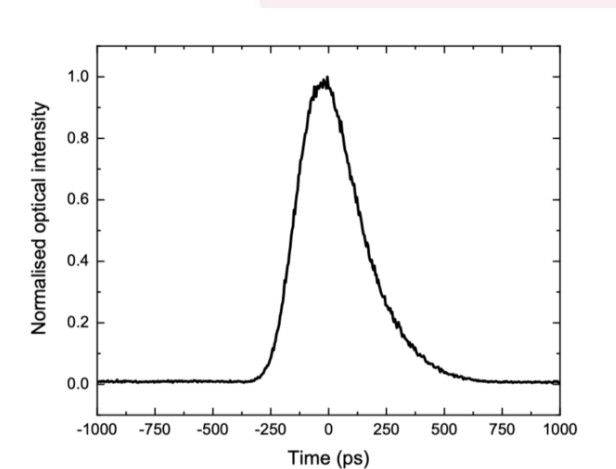
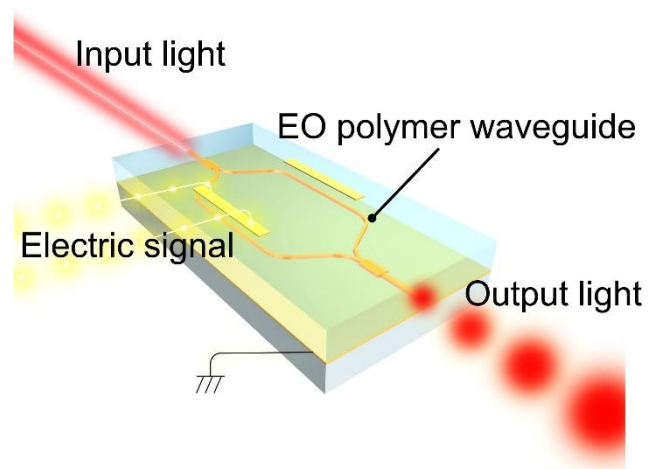


Figure 1: Principle scheme of a set-up for the I_d - V_g measurement.



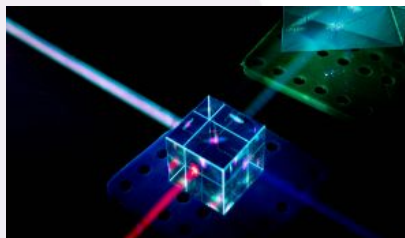
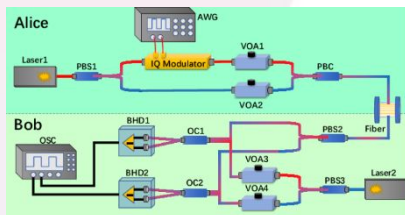
- Semiconductor and material test
 - Electrical stimulus to drive DUT

- **Q - Communication**
 - EOM control
 - pulsed lasers

- **Q-SENSING**
 - Fast Pulse Generation

Application & Market Area

- *AT is interested to cooperate in:*



- **Quantum applications**

- Q-Sensing
- QKD (Quantum Key Distribution)

- **Semiconductor characterization**

- Fast Pulse stimulus
- High speed test patterns

- **Photonic components characterization**

- Hi speed pulsed lasers

Project Impact: *AT aims to Increase the market share of AWGs and PPGs “MADE IN EU”*

Contact details

- Active Technologies SRL
- Website: www.activetechnologies.it
- Contact:
 - Michele Ramponi
 - Email: ramponi@activetechnologies.it