

**ECS**  
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EVENT

# ACTIVE TECHNOLOGIES

Company presentation

+ Michele Ramponi

+ ACTIVE TECHNOLOGIES SRL

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# Company at a glance



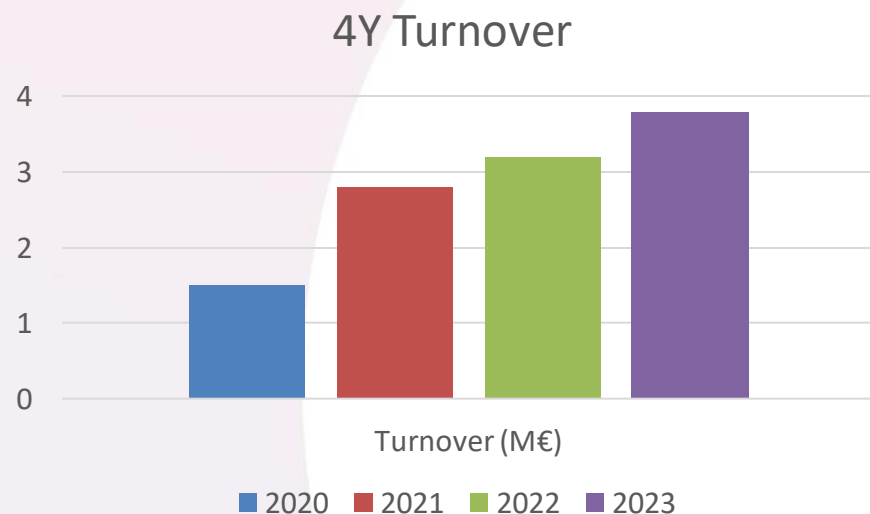
- **SME** located in north-east of Italy
- Sector: **Test & Measurement**
  - **Arbitrary Waveform Generators (AWGs)**
  - **Pulse Pattern Generators (PPGs)**



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



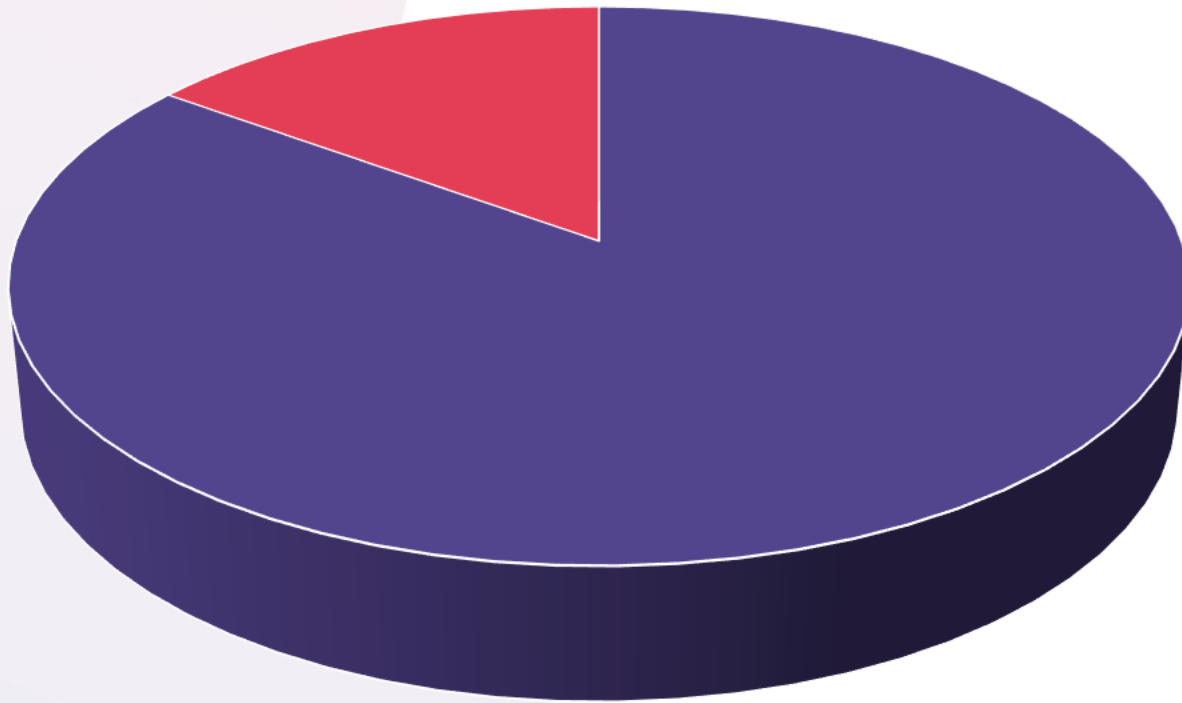
# Company at a glance



- 13 employees (Dec.2023)
  - 9 in R&D dept.
- 3.8 M€ Total revenue
  - ~ 300 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

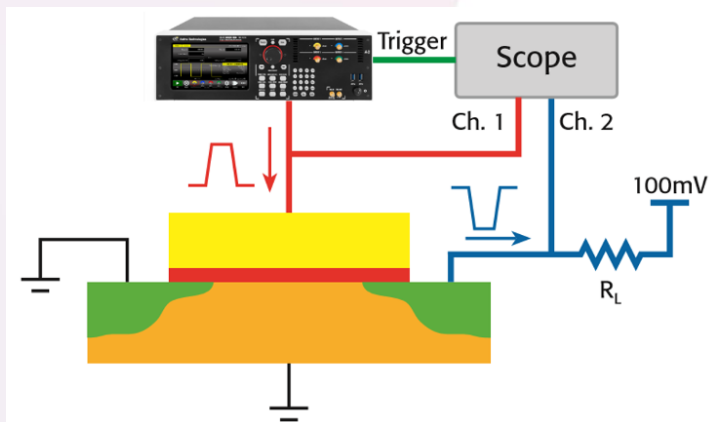
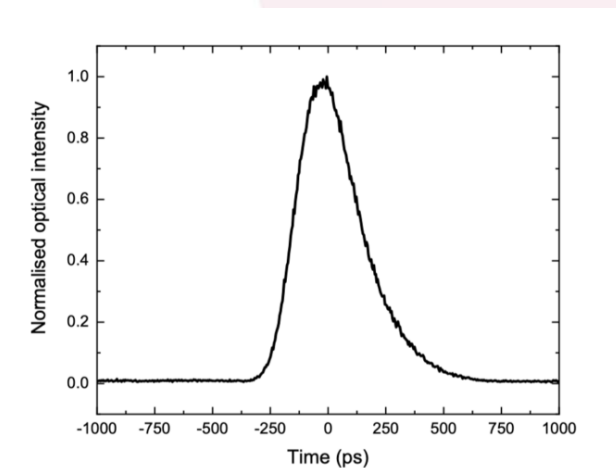
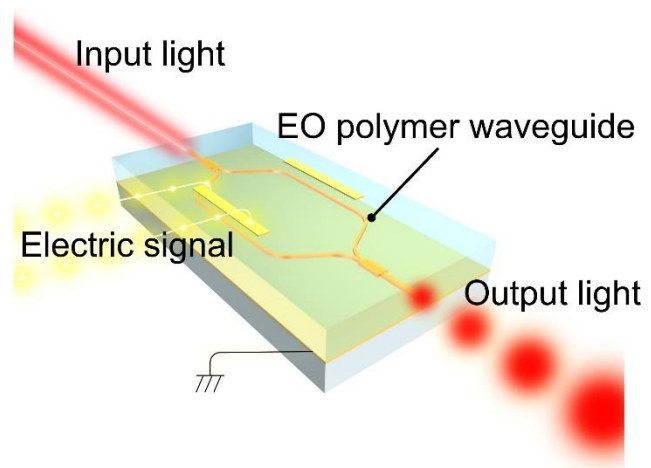


Figure 1: Principle scheme of a set-up for the  $I_d$ - $V_g$  measurement.



- Semiconductor and material test
  - Electrical stimulus to drive DUT

## • Q - Communication

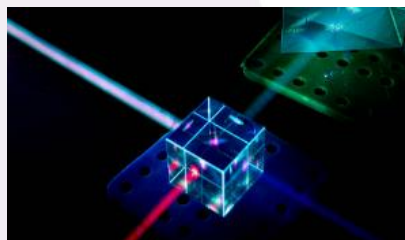
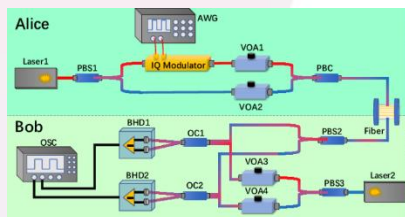
- EOM control
- pulsed lasers

## • 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

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