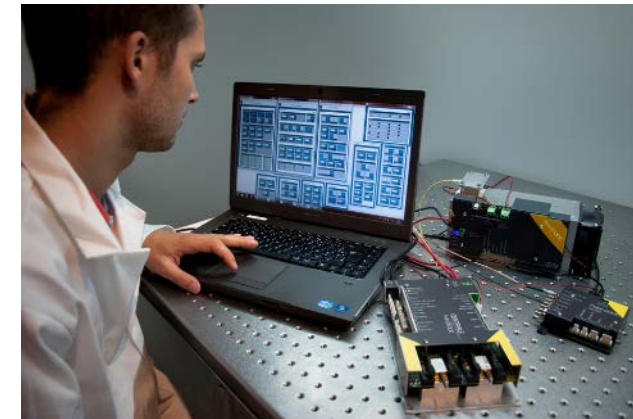
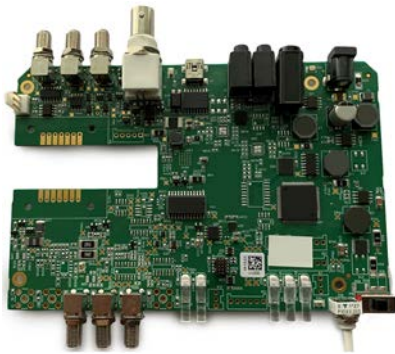




Corporate presentation

2020-10-28 – Sebastien Ermenoux, CEO

About us :



AeroDIODE skills are mostly focused on high end flexible electronics for semiconductor components such as laser diodes or SOAs

A few numbers :

- > 13 years experience within the french technological center ALPhANOV
(Previous ALPhANOV spin-off : Amplitude Systèmes, Azur light systems, Eolite Lasers, Spark lasers etc.)
- > 30 optoelectronics products
- Many new customers since january 2020



Our core technology :

- Flexible electronics for photonics : 8 complex high-tech electronics boards used in many products configurations...
- These boards let us offer solutions in 5 range of products :
 - Laser diode drivers
 - Laser diode sources (diode+driver solutions)
 - Fiber optic modulators (SOA, EOM or AOM based)
 - Synchronization electronics (pulse delay generator, pulse picker, « burst shaper » etc.)
 - Laser diode reliability test systems (ns pulse compatible)
- This flexibility allows us to expand this offer to new ranges of products every month...



Our objective :

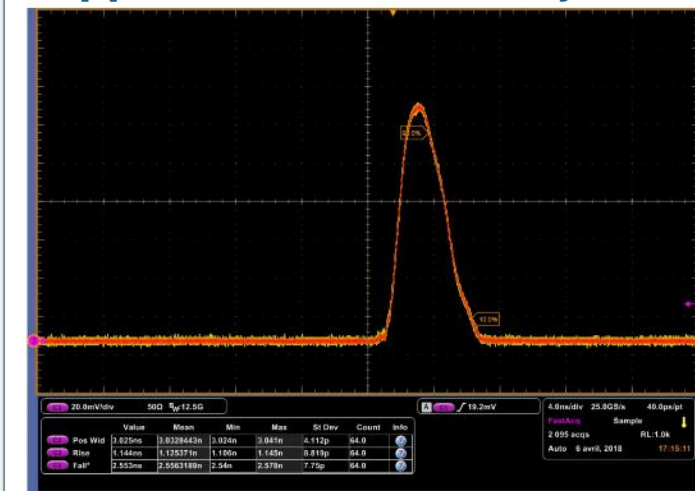
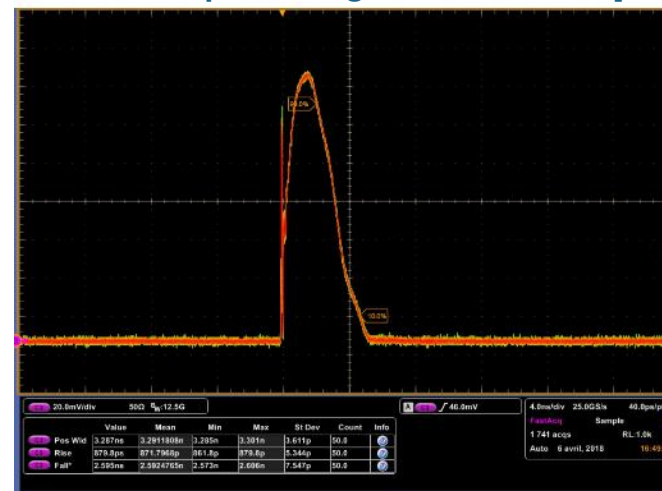
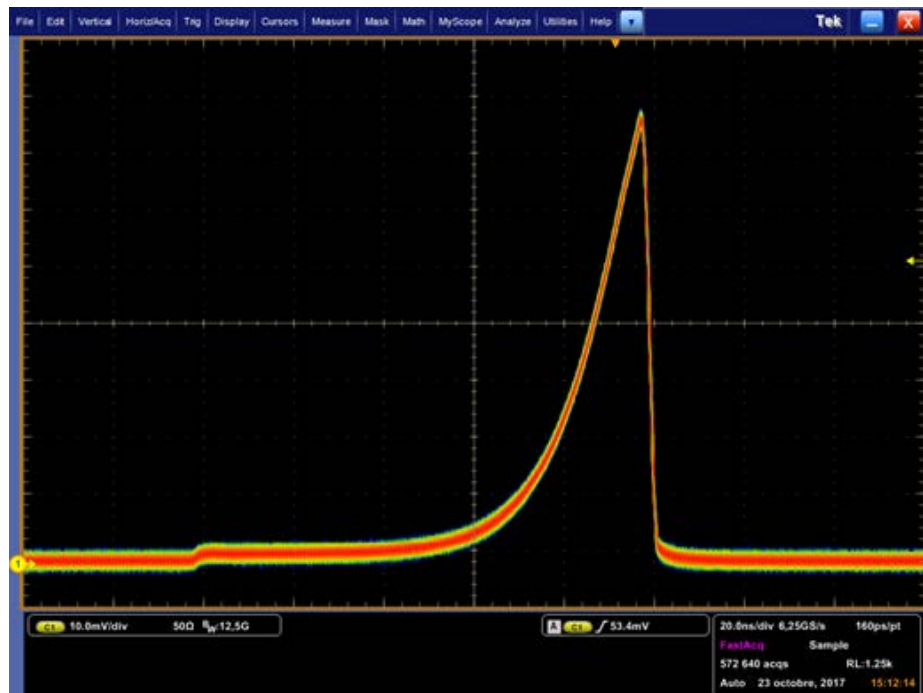
Becoming a leading B-to-B supplier of high-performance optoelectronics solutions for nearly any type of photonics systems

Example 1 : High speed smart pulse shaper laser diode driver

2 GHz embedded AWG-based laser diode driver : for example for MOPA laser gain pulse deformation pre-compensation :

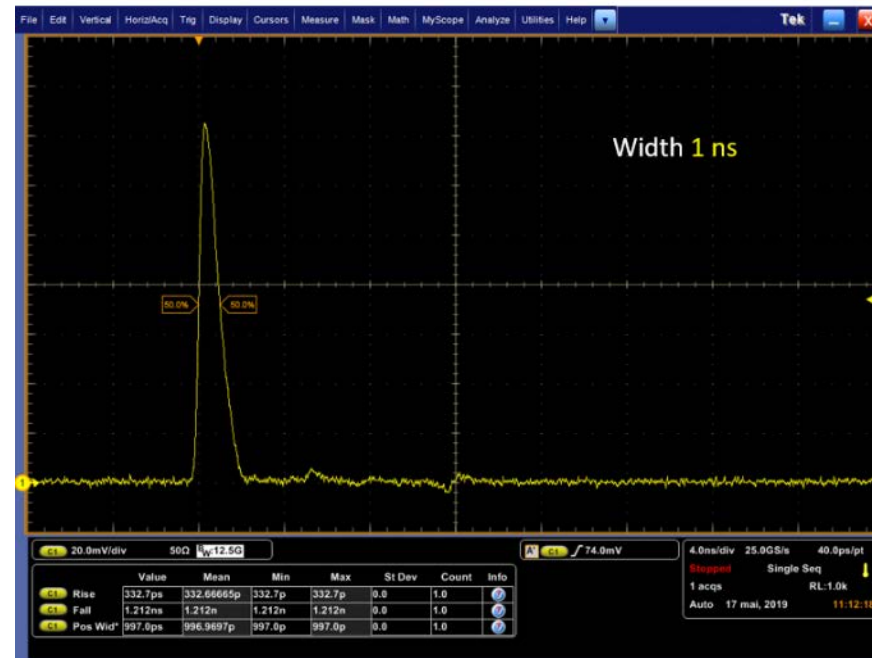
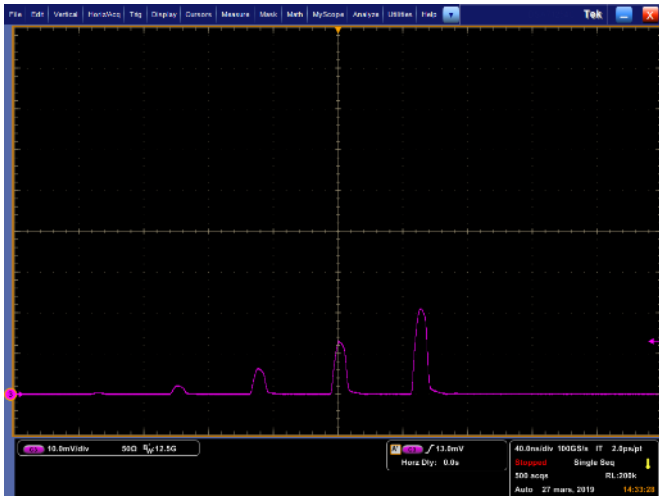
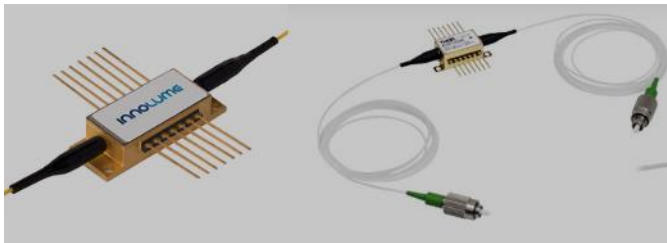


Example of **gain-switch peak suppression** functionality :



Example 2 : SOA-based fiber intensity modulators

SOA, when used with the proper electronics, are a smart alternative to EOM* or AOM* based intensity modulation solutions :



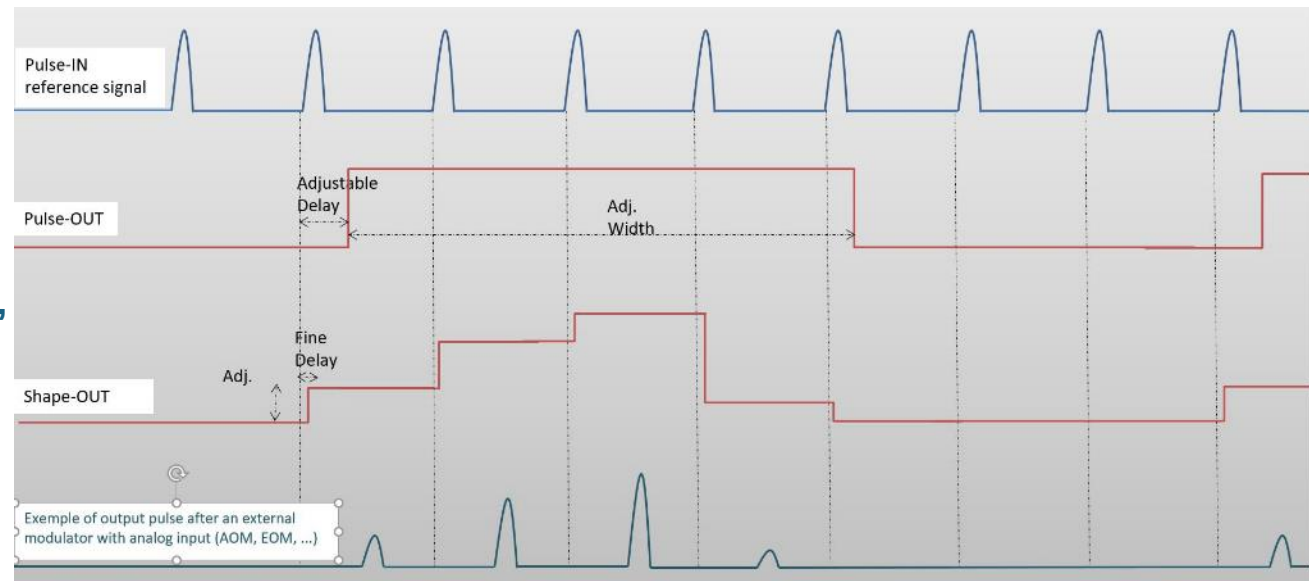
Example 3 : TOMBAK : a « swiss knife » for signal synchronization



Tombak is an “all-in-one” tool for synchronization : **Pulse delay generator, Pulse picker, Voltage converter, AWG, “Burst shaper”** etc. - Probably the most modular nanosecond tool on the market

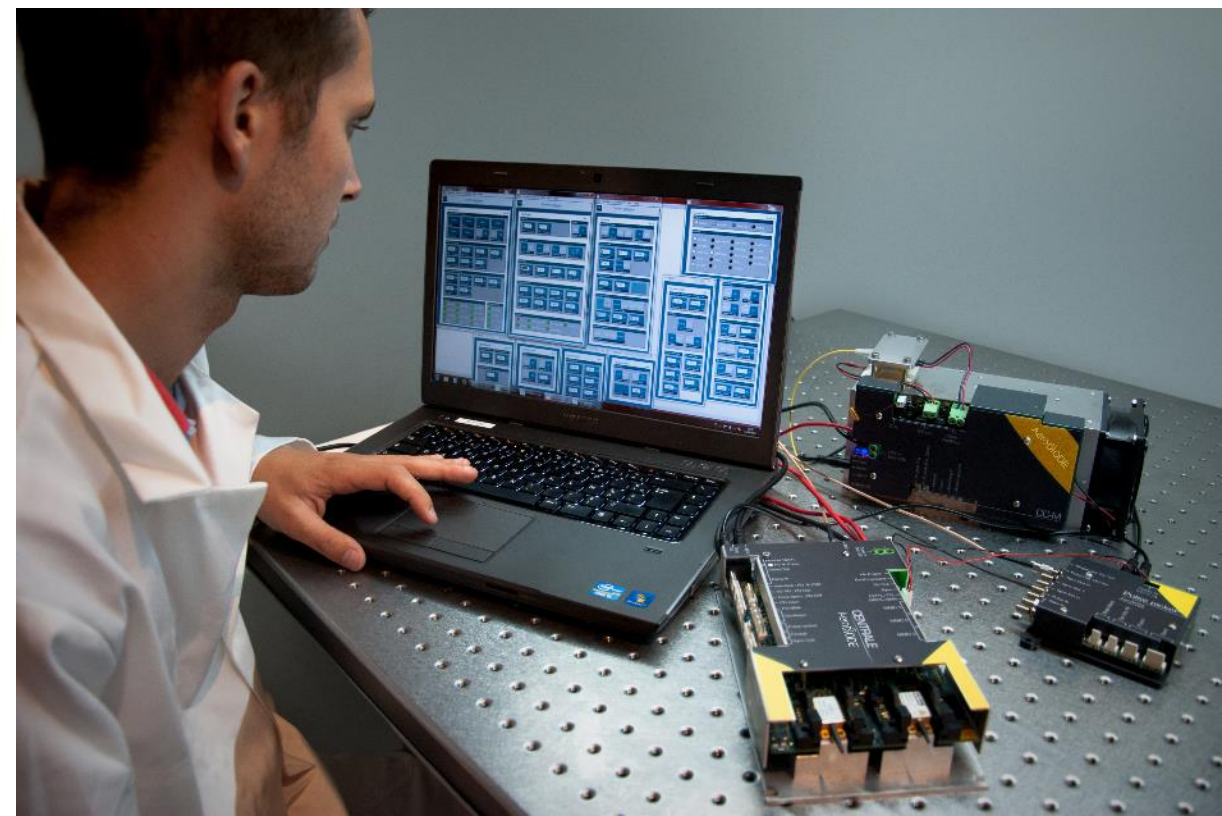
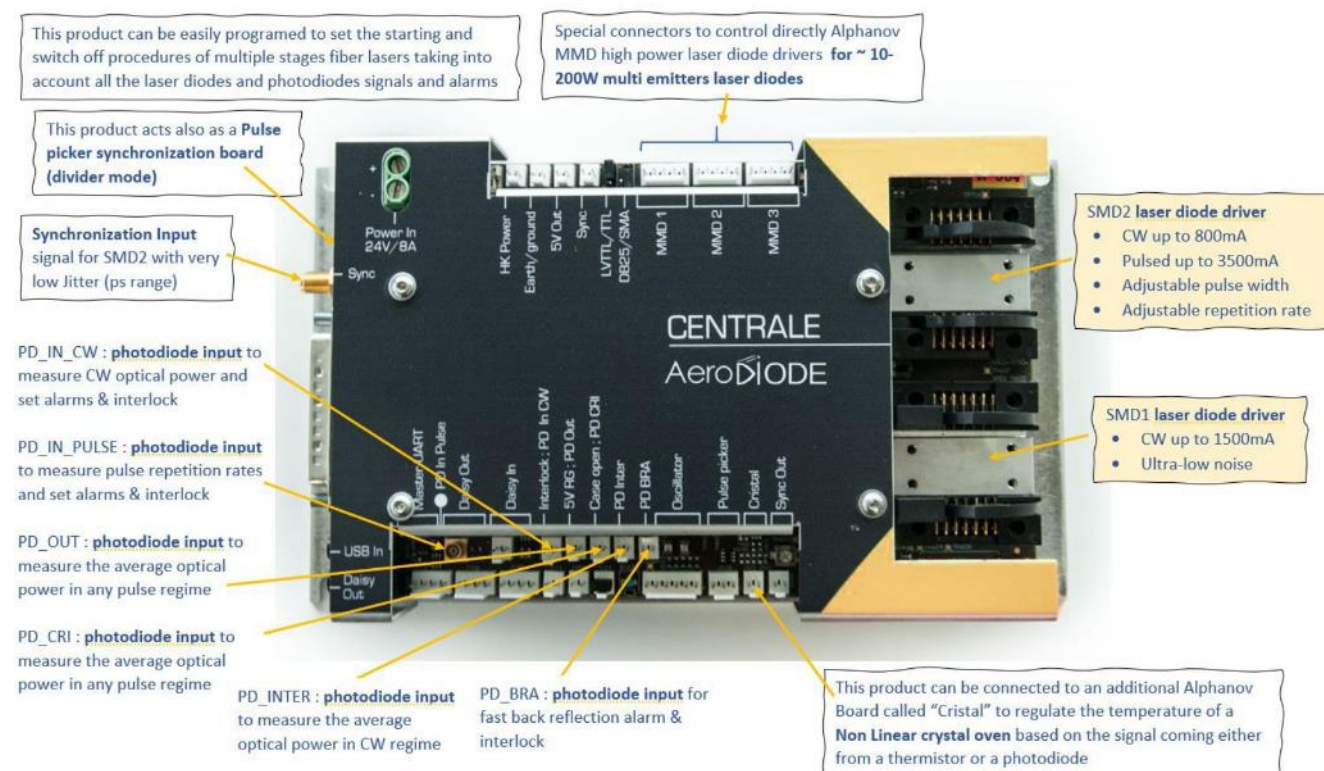


Example of complex Pulse-picker with “Burst shaping” function :



Example 4 : Fiber laser integration solutions

Our laser diode driver solutions are ideal for rapid and efficient prototyping of complex and innovative fiber laser configurations :



Visit our new website interface :

AeroDIODE
An ALPHANOV spin-off company

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LASER DIODE DRIVERS | LASER DIODE SOURCES | FIBER INTENSITY MODULATORS | SYNCHRONISATION ELECTRONICS | LASER DIODE TEST SYSTEMS

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High power laser diode driver - 36 V/21 A with TEC & Air Cooling



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This High Power Laser Diode driver is compatible with all multimode fiber coupled multi-emitter pump laser diodes from **II-VI**, **Nlight**, **Lumentum**, **IPG**, **Dilas** etc.

It is a low noise complete solution with 36 V-21 A laser driver, TEC controller and air-cooling fan regulation. TEC and CTN elements are provided and compatible for single or multiple laser diode driving. This high power laser diode driver is generally used to deliver CW current. It is also able to deliver pulses which are generated internally by an on-board pulse generator, or on-demand from an external analog modulation signal. It is the most compact device with such performances and this makes it an ideal tool for OEM integration into your product.

Overview | Specs | Pictures and diagrams | **Documentation and libraries**

All products very well described

All prices indicated

Many products ship the same day

Direct access to all documentations and libraries

Online shopping site or instant quote available online

AeroDIODE

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