

## A Photonics Solutions Provider

IDIL is specialized in the production of *optical components* and in the design, development and assembly of *complete optical systems* for the Science, Defense and Industry.



01

## Fiber assemblies & components

### Fiber optics assemblies

- Pigtailed, patchcords, harnesses
- End cap for PZ and PCF fibers
- Bundles, probes, collimators, micro-optics

### Optical delay management

- Time delay coils (ns/m)
- Optical delay lines (ps/mm)
- Fiber stretchers and drivers (fs/μm)
- Multiple optical delays (switches)

### Active / passive components

- Launch fibers, benchtop fiber racks
- Ultra low loss optical attenuators
- Switches, filters, circulators, couplers
- Fiber Bragg Gratings
- BS / MS education systems



02

## Optoelectronic systems & lasers

### Shock physics

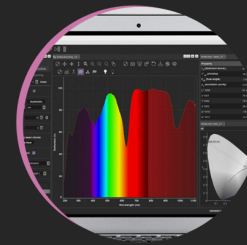
- Photon Doppler Velocity (PDV)
- Velocity Interferometer System for any Reflector (VISAR)

### Opto-Pyro

- Laser Firing Units
- Optical Harnesses
- Multiple-stage safety barriers

### Sensors for materials & structures

- FBG sensors (athermal, embedded)
- Interrogation systems
- Brillouin distributed fiber sensors



03

## Spectroscopy & microscopy

### Lasers and light sources

- Laser diodes and Raman lasers
- Tunable ECD lasers and tapered laser amplifiers
- Illumination, excitation, calibration light sources
- Tunable monochromatic light sources

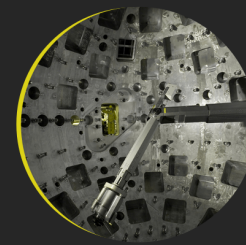
### Fibers, probes & accessories

### Spectrometers & systems

- Compact portable spectrometers
- Monochromators and detectors
- Fluorescence, PL, Raman, LIBS, absorbance, transmittance, reflectance, irradiance systems

### Microscope imaging

- Laser Point-scanning confocal systems
- Laser Slit-scanning confocal systems



04

## Photonics engineering & services

### Optical, electronical, mechanical & software engineering

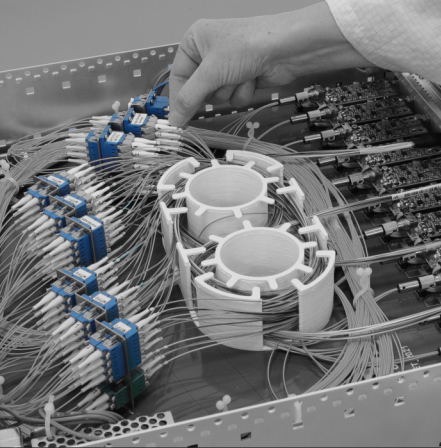
- PoC setup, prototype development, pre-serie indus.
- Fiber and laser-based systems integration
- Custom fiber assembly deliveries
- Optical sensing and metrology
- Equipments for the field / the industry (embedded spectroscopy systems, fast detection...)

### R&D projects involvement

- European and French programs (LMJ, FOCUS, CAUCA...)
- Smart sensing, laser sources and amplifiers...

### Subcontractor of optical OEM modules & complete instrumentation

- For customers with a fabless business model



## Your Engineering Partner

TRL booster - from proof of concept to pre serie

**We support researchers, engineers and industrials**  
*in all development phases* of their projects: from basic  
components, through smart integrations, to high-end  
systems.



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