



FemtoSecond & PicoSecond Laser Development for Tattoo Removal and Pigmented Lesions





- 1** Femto Laser & PicoLaser Development: Objectives & Motivations
- 2** Market Analysis & Demographics for Tattoos
- 3** Business Plan – Synopsis
- 4** Project Expected Results: Highest Impact in Dermatology

PicoSecond Laser Development: Main Objectives-Project Motivations



- ❖ The main goal of **PicoSecond Laser** is to demonstrate “Laser Tissue Properties” at unprecedented levels for **Treatment** and **Effectiveness of various Dermatological & Surgical Indications**, using **Optimized** Laser Treatment **Parameters** and polarizations beams.

- ❖ **Challenges**
 - ✓ **High-productivity** and **High-quality** at the same time
 - ✓ Ultrafast laser source with a **very High Average Power** and **well-adapted Beam Parameters** (pulse width, intensity profile, repetition rate) are needed.

- ❖ Medical **Indications**
 - ✓ **Tattoo** Removal
 - ✓ **Pigmented** Lesions
 - ✓ Precise Laser **Microsurgery**
 - ✓ Laser **Nanosurgery**