#### PARTNER ORGANIZATION OF MEDEA

# **VENTEON** – Laser Quantum

## **SCIENTISTS IN CHARGE:**

- Dr. Thomas Binhammer
- Dr. Oliver Prochnow

## INDUSTRIAL/SCIENTIFIC EXPERTISE & PROJECT CONTRIBUTIONS:

VENTEON is specialized on ultrafast laser systems, based on octavespanning TI:sapphire laser, and developped the first commercial fewcycle OPCPA in 2014. The company is now part of the much larger Laser Quantum group.

#### Role within MEDEA:

- Energy scaling of CEP-stable high repetition rate few-cycle OPCPA system for HHG (WP 1)
- Secondment of ESR Lund University LUND-1
- Secondment of ESR Aarhus University AU-2







## Pulse characterization

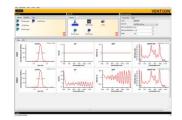
Ti:sapphire laser systems



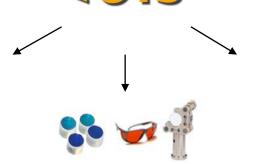








Dispersion calculation



Optics & accessories

# Fiber laser technology





OPCPA - amplified systems



