



**CEPIA**  
**TECHNOLOGIES**

# About Cepia

- Small research company
- Started operation 3<sup>rd</sup> January 2009
- Located in Brno
- Mother company in Geneva
- Solid investors
- Long time-frame
- Dedicated to building local and national partnerships

# What we do?

- Main focus on developing crypto analytical systems for governmental customers
  - Strong focus within research activities
  - Maintaining high academic standards for our staff
  - Dedicated to building bleeding edge systems
- Developing data/signal acquisition systems to mate with our crypto analytical systems
  - Current keywords are: Software Defined Radios, real-time multi-channel, multi-mode, autonomous operation systems

# Main focus

- Use 90% of our time in find out what is possible to do, and the remaining 10% of the time to figure out how to do it
  - Possible due to strong partnerships nationally and internationally
  - Solid experience in cutting edge implementation of large scale systems
  - Customers pay for solutions that work, not fancy wrapping

# Why work for Cepia?

- Bleeding edge research into cryptology, information security and signal/protocol processing
- Allowing employees to publish results
- Ensuring employees have time to keep up to date in their fields of expertise
- Very high education level among colleagues
- Competitive salaries

# Who are we looking for?

- Master or doctoral graduates in the fields of number theory, probability theory, linear algebra, automata theory, cryptography and communication/IT security, algorithms, protocol and signal processing
- Ability to think out-side 'the box'
- Ability to consume new ideas quickly
- Work in international teams

# Typical roles

- Research:
  - Feasibility studies
  - Construction of models
  - Large scale testing
- Implementation:
  - Pushing hardware to the maximum**
  - C/C++
  - Perl/scripting in general
  - VHDL
  - DSP
  - HW design

Thank you for your attention