About Cepia

- Small research company
- Started operation 3\textsuperscript{rd} 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