# IT LAWYERS

We complicate things…
How can that be beneficial?

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# MULTIDISCIPLINARY RESEARCH

**Cybersecurity**
**Intellectual Property**
**Privacy and Personal Data Protection**
**New Technology Regulation (AI, IoT, Blockchain)**
**Online Dispute Resolution**
**Digital Evidence and Cybercrime**
**Electronic Documents**
**Legal Informatics**
**Energy Law**
**…**

# Predominantly IT projects with legal input

# CYBERSECURITY

- Certification in Cybersecurity

- RedTeaming

- Cyberqualifications

# INTELLECTUAL PROPERTY

TAČR Legal and technical tools for privacy protection in cyberspace

- MU + TU Brno + IMA s.r.o
- developing technical tool for provable user authentication with strong privacy protection
- modern cryptography and will reflect the legal requirements on privacy protection => atribute identification

**Licensing issues**

- Smart Cards – **MULTOS X JavaCard**
- Cryptographic Libraries - **OpenSSL / GMP – GNU Multi-Precision Arithmetic Library / PCSC - Personal Computer/Smart Card** or **MCL**

# ENERGY LAW

- **SecureFlex**

e.g. legislative requirements for particular model of independent flexibility aggregator in the market


- **SM4RT**

e.g. legal limits of installation of smart metering components in apartments buildings

# Predominantly legal projects with IT input

- Online courts – easier accessibility / data processing

- Compliance solution for small and medium-sized enterprises (SMEs)
- IMPAKT – Electronic evidence

# [Dissertation] Legal and Economic Aspects of Personal Data Breach in the Context of the Internet of Things

- cybersecurity incident / personal data breach - legislation - GDPR
- internet of things - challenges for entities obliged to report
- economic modeling - incentives in decision of non/compliance => prerequisites for sanctions and enforcement of reporting obligation
- adjustments and interpretation of the legal obligations

- cybersecurity certification / standardisation and recommendations
- data sharing and industry cooperation
- enforcement of individual claims through joint actions
- data sharing and cooperation between data protection authority and CSIRTs
- whistleblowing, responsible disclosure and bug bounty