

Members of the national judiciary in the digital era



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Digital era: where are we heading?



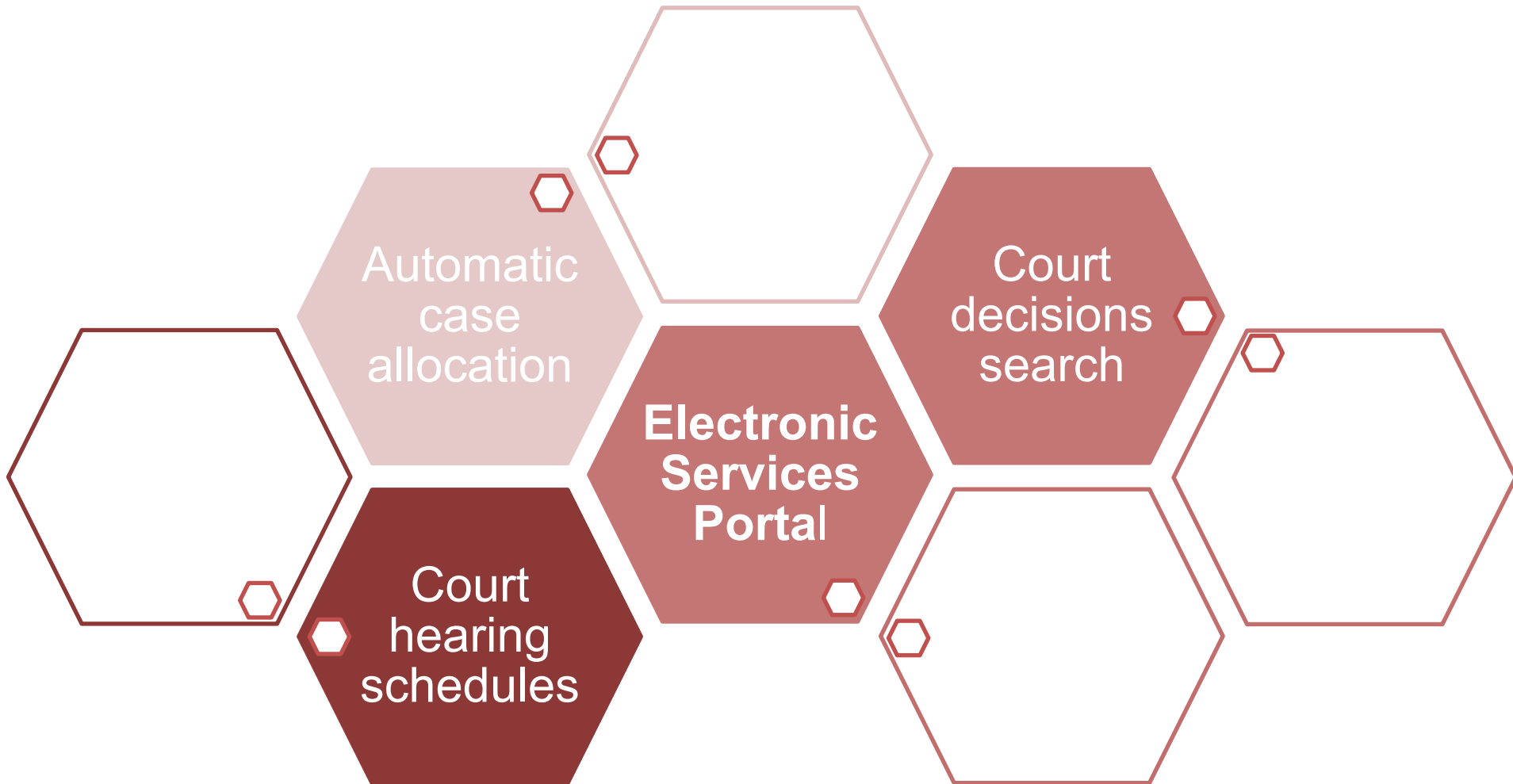
- Digital technologies
- Quick information exchange
- Digital communication
- Automation and AI
- Digital literacy



**Members of judiciary
Lithuanian perspective**



Digital case management system LITEKO



Automatic case allocation

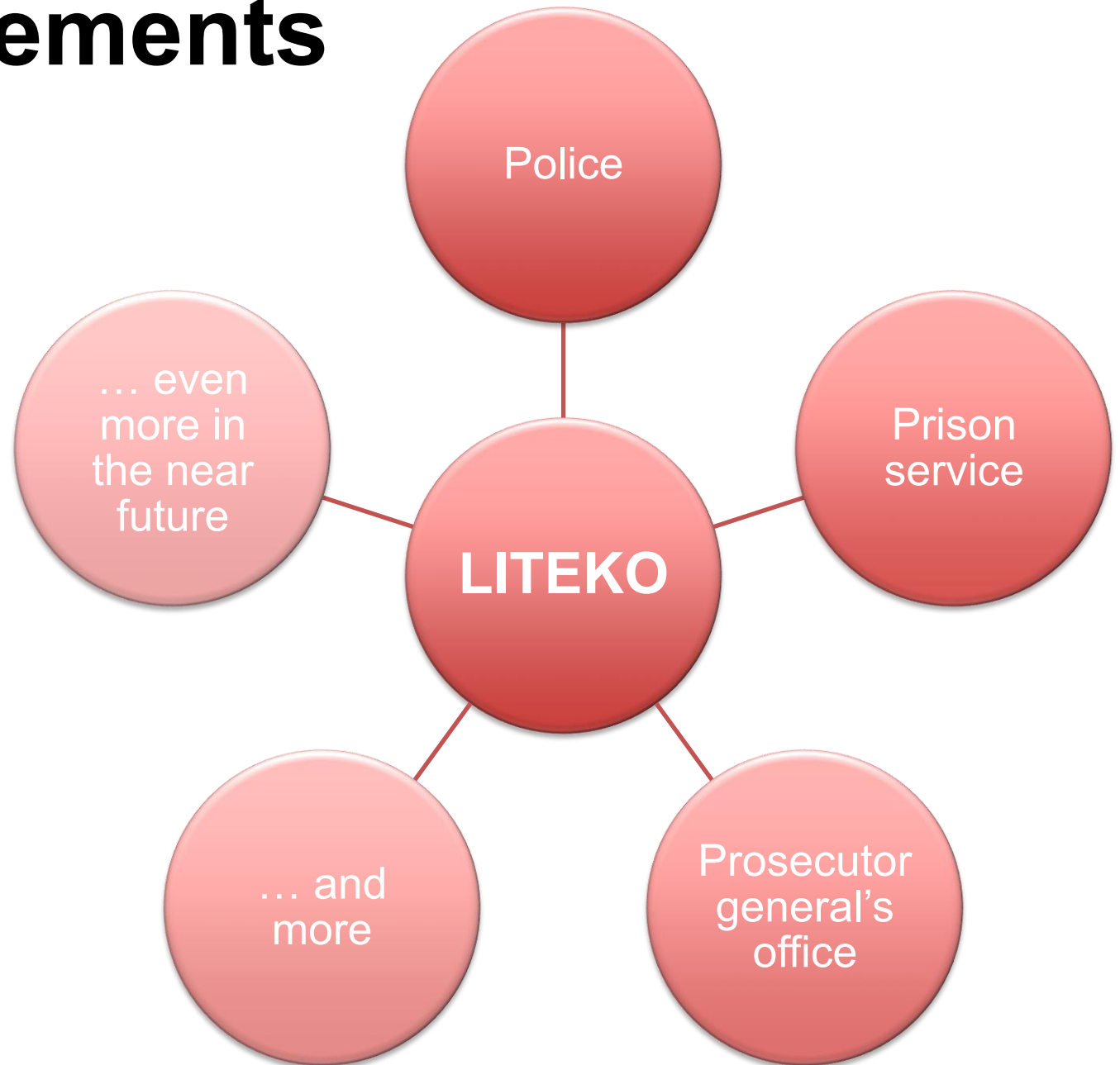
- transparent and objective allocation of cases among judges
- based on factors such as work load and specialisation
- judges from smaller regions are assigned cases from larger cities – helping to balance workloads across the country

Electronic service portal (ESP)

- access to case material
- submission of procedural documents
- audio recordings
- instant notifications
- mandatory use for professionals

System enhancements


- improved access to information
- enhanced collaboration and communication
- real-time updates across court processes
- time saving through automation and digital submission




Additional digital tools supporting judicial work

- Specialized systems (e.g. Audit, evaluation and insolvency information systems with specific modules)
- Court transcription tools
- Case law and legal acts search platform (e.g. Infolex)
- Remote hearings

AI and the Judiciary: Exploring Possibilities and Pitfalls



**Who among us does not
currently use AI, either
professionally or personally?**



AI in Everyday Life: How AI Powers the Tools We Use Daily

Here are some popular apps and services with AI features:

- **Google Search** – uses AI to deliver better search results and predict queries.
- **Siri** – voice recognition and response generation
- **Instagram, TikTok, Facebook, Twitter** – AI selects what appears in your feed, suggests content, and even filters comments
- **YouTube, Spotify, Netflix** – AI recommends content based on your viewing and listening habits
- **Google Translate, DeepL** – intelligent translation services
- **Google Maps, Waze** – route optimization using AI
- **E-commerce platforms (Amazon, eBay, Aliexpress)** – personalized product recommendations

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One of the Most Common Question Asked of AI

ChatGPT generated answer:

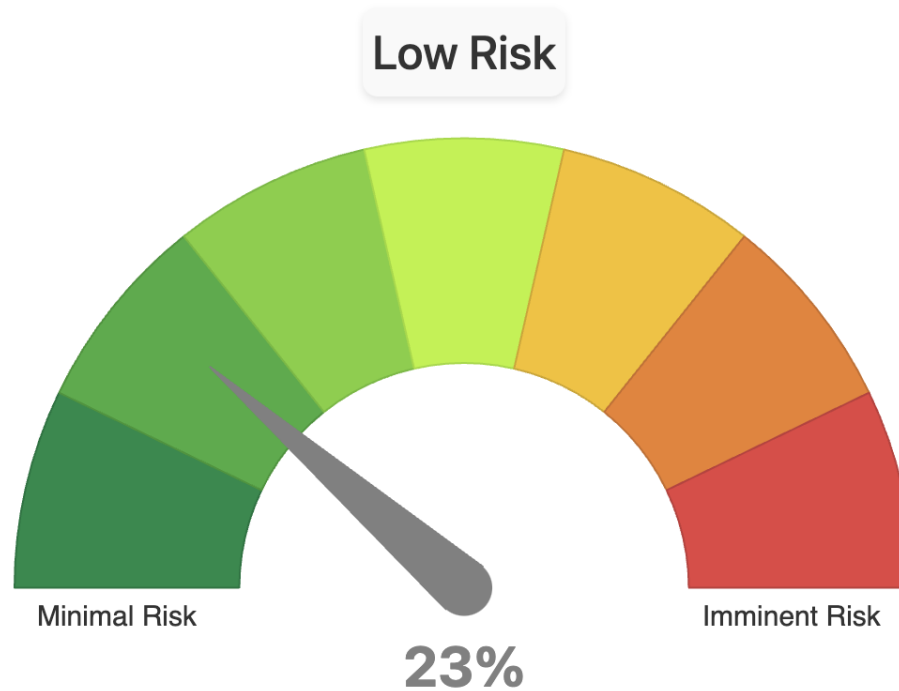
"The honest answer is: in some areas, yes — but not completely.

****AI will increasingly automate repetitive and administrative tasks, but roles requiring human judgment, empathy, creativity, and ethical reasoning — such as those performed by judges and legal professionals — will remain fundamentally human for the foreseeable future."**

The future is not about humans *versus* AI, but humans *working with* AI."

Will Judges Be Replaced by AI in the Future?

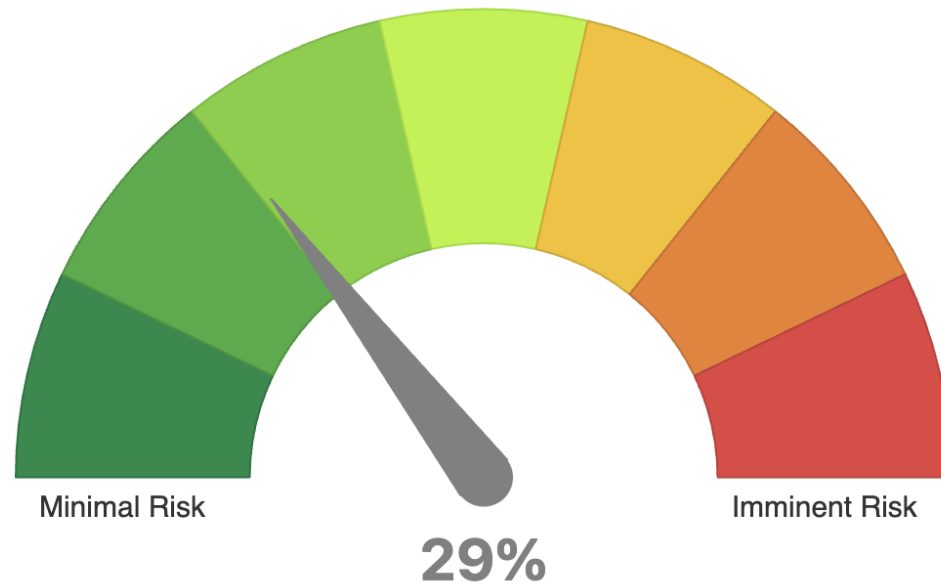
Judges, Magistrate Judges, and Magistrates



Will Lawyers Be Replaced by AI in the Future?

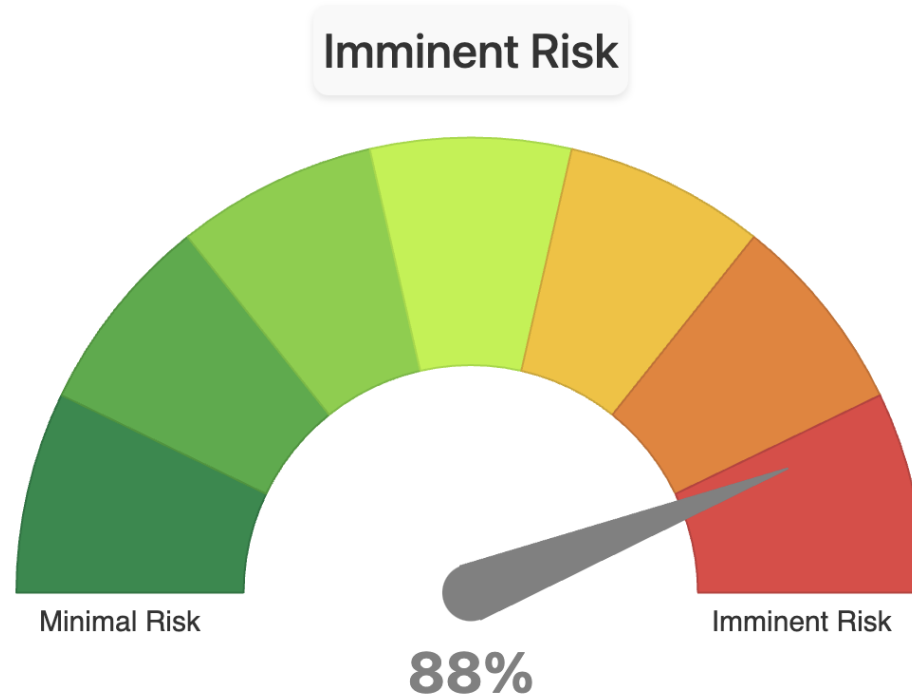
Lawyers

Low Risk



Will Court Clerks Be Replaced by AI in the Future?

Legal Secretaries and Administrative Assistants



Anyone Can Do My Job, But No One Can Be a Judge Like Me

SUITS

SEASON ONE
ALL 12 EPISODES



The Digital Judiciary: Why AI?

- Growing case volumes
- Need for speed and efficiency
- Demand for consistency and transparency
- Limited human resources
- Public expectations for modernized justice

...

AI in Action: Current Court Applications

- Case management automation
- Predictive analytics (e.g., case outcome predictions)
- Document drafting (e.g., court decisions, templates)
- Virtual legal assistants
- Risk assessments (e.g., recidivism risk)
- ...

Success Stories

TeDIA: Artificial Intelligence Tool in the Supreme Court of Lithuania

Project Goal:

To develop an AI tool that assists in preparing Supreme Court of Lithuania press releases

Project Partners:

The Supreme Court of Lithuania, Vilnius University Faculties of Law and Communication

How does "TeDIA" work?

- It is based on a quality standard for press releases
- It generates the initial draft of the press releases
- The final text is reviewed by Court staff

Possibilities: The Promises of AI

- Faster resolution of cases
- Reduction of human error
- Increased access to justice
- Enhanced consistency in rulings
- Predictive tools to manage workloads
- ...

Pitfalls: Serious Risks Ahead

- Algorithmic bias and discrimination
- Lack of transparency ("black box" decisions)
- Threats to judicial independence
- Overreliance on AI ("automation bias")
- Data protection and privacy concerns
- ...

Case Example: Bias in AI

US Risk assessment tools

- Higher false-positive rates for minority groups

Key lesson:

- Data reflects human biases
- AI can amplify, not eliminate, discrimination

AI Needs Guardrails

- Human oversight remains essential
- Explainable AI (XAI) is critical
- Judges must be trained to critically assess AI outputs
- Ethical standards must be enforced
- Transparent audit trails required

The Baltic States Approach

- Moderate, step-by-step AI adoption
- Focus on low-risk administrative AI tools
- Preparing strategic guidelines (e.g., Lithuania's 2023–2033 court vision)

Conclusion: Towards a Digital Yet Humane Judiciary

- AI is a tool, not a judge
- Human values must lead technological innovation
- Courts must combine efficiency with fairness and dignity

Let's Stay in Contact!

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Guiding **responsible** AI knowledge, driving success

