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SHAPING TECHNOLOGY FOR ALL

AI-driven

cybersecurity

Transforming data chaos into precise digital protection

Deutsche Telekom is launching an innovative, AI-driven cybersecurity solution that revolutionizes threat detection and response. By combining artificial and human intelligence, the honeypot system proactively identifies and neutralizes cyber threats on a real-time basis. The solution transforms millions of daily security events into actionable intelligence, making enterprise-grade security accessible to businesses of all sizes while maintaining European security standards.

KEY FACTS

- AI-powered honeypot system with real-time threat detection
- Reduces manual security workload by automating threat analysis and response
- Cost-effective security solution suitable from SMEs to large enterprises
- Combines artificial and human intelligence for comprehensive threat assessment
- Built on T-Pot, Deutsche Telekom's leading open-source honeypot project
- Compliant with European cybersecurity standards and privacy regulations

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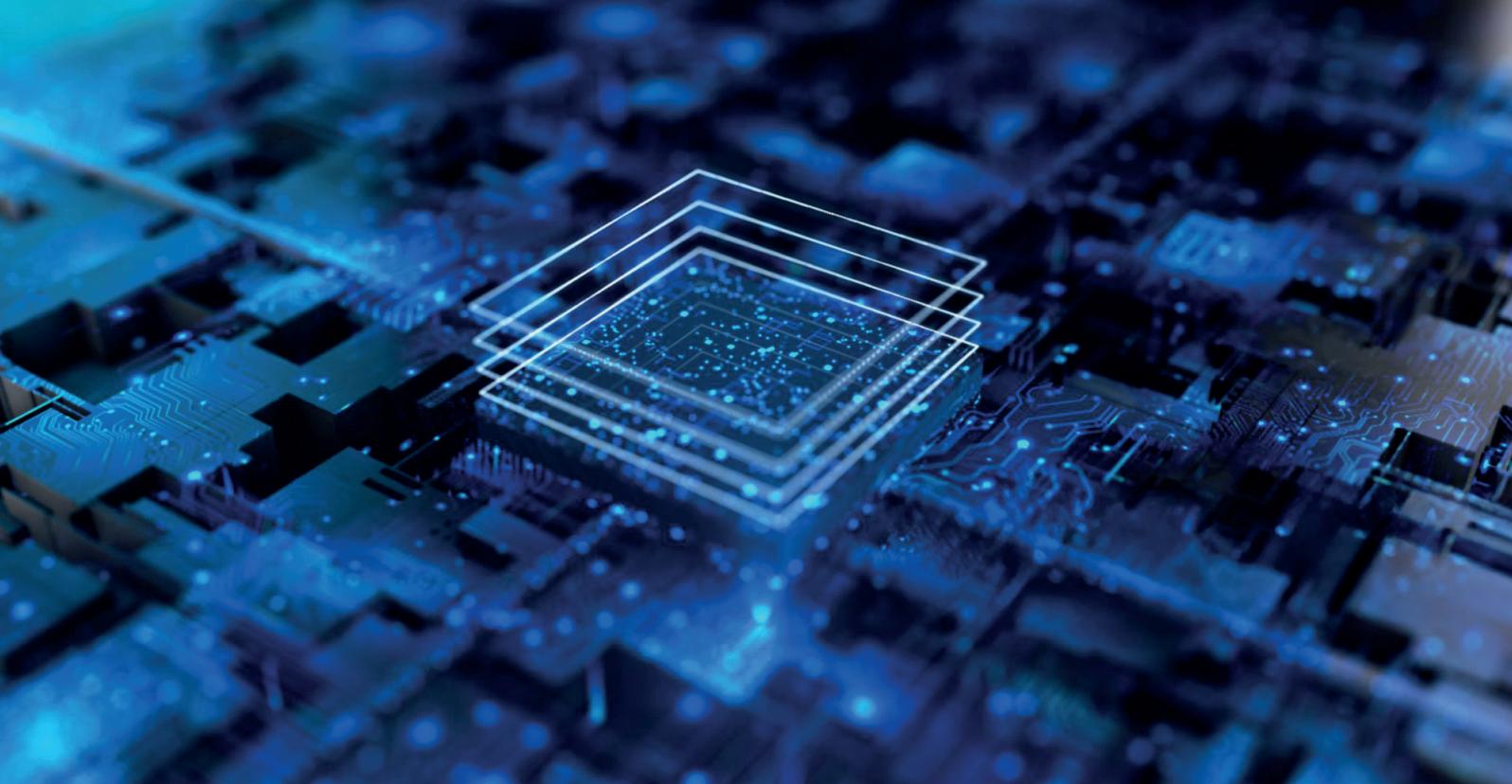
The intelligent honeypot system marks a revolutionary advancement in cybersecurity, offering a sophisticated approach to managing and processing the vast volume of daily security events while maintaining robust defense capabilities. At its core, it harnesses cutting-edge AI technology to transform conventional honeypots into dynamic, proactive security sensors that actively protect digital infrastructure.

The system's architecture is built upon two fundamental pillars. The first of these focuses on data collection and processing, where the solution captures and analyzes millions of network events in real time. Using AI-driven preprocessing, it efficiently filters and categorizes potential threats, transforming overwhelming data streams into actionable security intelligence through contextual assessment. The second pillar implements an interactive defense mechanism, featuring AI-powered chatbot technology that actively engages with potential attackers. This component continuously evolves by learning from new attack patterns, developing and implementing dynamic defense strategies while maintaining crucial human oversight for critical decisions.

For small, medium-sized, and large enterprises, it offers affordable access to enterprise-grade security solutions with minimal administrative overhead, rapid threat detection capabilities, and scalable security architecture. Large enterprises benefit from seamless integration with existing security infrastructure, complex threat defense capabilities, customizable deployment options, and advanced analytics and reporting functions.

Built on Deutsche Telekom's leading open-source honeypot project, T-Pot, the solution incorporates generative AI technology to enhance threat analysis capabilities.

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