MAGENTA AI AT SCALE.

HUMAN AT HEART.

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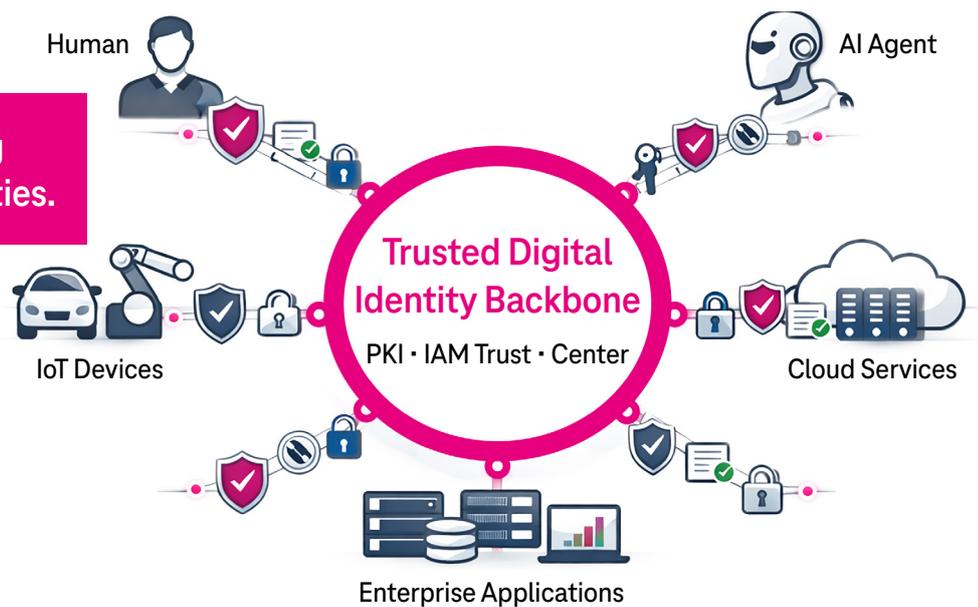MOBILE WORLD CONGRESS 2026

Trusted Digital Identities

AI-driven protection – tackling deepfakes and securing identities.

Human

AI Agent

Trusted Digital Identity Backbone

PKI · IAM Trust · Center

IoT Devices

Cloud Services

Enterprise Applications

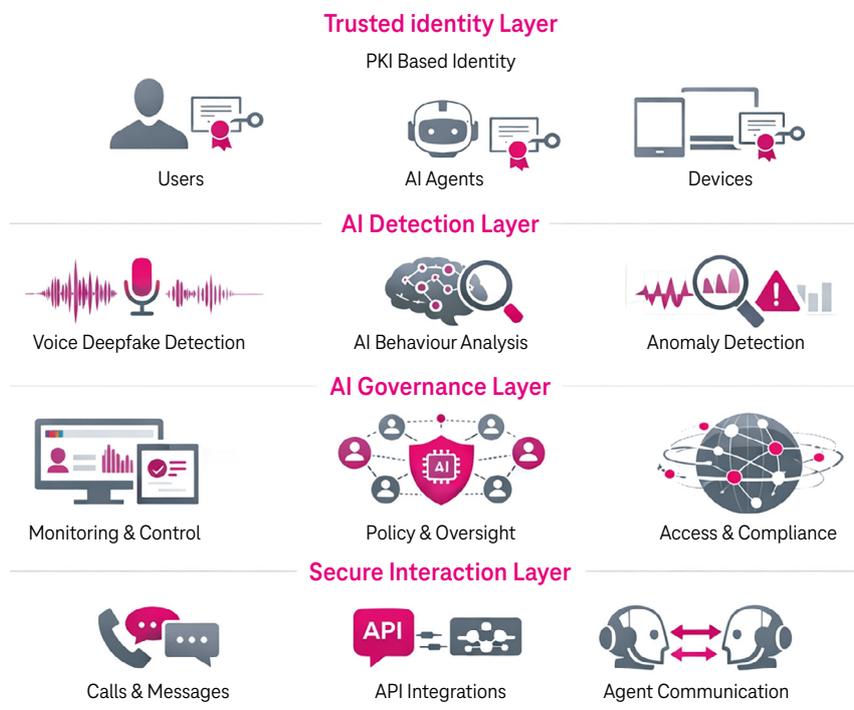One **trusted identity** backbone for humans, machines and AI.

In the age of AI, identity risks are growing at an unprecedented pace – deepfake attacks are shaking trust in every interaction, targeting both humans and AI agents. Deutsche Telekom's unique approach combines trusted digital identities with advanced AI-driven detection to prevent identity fraud and impersonation attacks. We equip our customers with a sovereign European technology backbone that ensures business continuity and privacy, keeping you secure, confident, and ahead in a rapidly evolving digital world.

KEY FACTS

- **Detect deepfakes** of human and non-human identities in real time using AI technology
- **Create strong digital identities** powered by identity issuance and identity management
- **Ensure comprehensive protection** with combined network-level identity and AI checks
- **Prevent voice and AI agent cloning** via secure authentication
- **Provide frictionless logins,** trusted e-signatures and secure IoT ecosystems
- **Leverage Europe's trusted identity infrastructure** as security backbone

T·· **Connecting your world.**

Trusted identity Layer

PKI Based Identity

Users AI Agents Devices

AI Detection Layer

Voice Deepfake Detection AI Behaviour Analysis Anomaly Detection

AI Governance Layer

Monitoring & Control Policy & Oversight Access & Compliance

Secure Interaction Layer

Calls & Messages API Integrations Agent Communication

AI detects anomalies. PKI proves identity.

Artificial intelligence is reshaping the digital landscape, with agentic AI additionally driving automation. The risk landscape is evolving, raising identity fraud to new, impactful levels. Deepfakes – such as real-time voice cloning and AI impersonation – are threatening enterprises and institutions. Deutsche Telekom counters these hazards with security solutions that blend proven PKI-based digital identities and advanced AI-driven deepfake detection.

Our solutions address two key attack types:

1. Voice deepfake attacks impersonate real humans to defraud, obtain sensitive information, or manipulate processes. We combat this threat with a multi-layered security approach, leveraging identity issuance (PKI) and identity management (IAM) to authenticate callers across a significant portion of interactions. For all remaining communications, our AI-powered deepfake detection technology adds an additional protection layer against impersonation.

2. AI agent deepfakes imitate trusted AI entities to gain unauthorized access to data and systems, or compromise business workflows, approvals, and decisions. Here, our robust digital identity framework uses PKI and IAM to guarantee positive ID verification of AI agents, safeguarding human-agent and agent-agent communication against impersonation. Our AI-driven cyber defense backbone allows for real-time detection and eliminates fraudulent AI agents.

Deutsche Telekom enables enterprises to control individual AI agents and AI swarms, securing workflows in an agentic AI world. Every digital interaction, whether human, device, or software, needs trusted identity based on a sovereign tech backbone. Combining strong PKI certificates with intelligent IAM simplifies identity management and blocks forgery.

Customers get future-ready AI defense against identity fraud, smooth logins, trusted e-signatures, and secure ecosystems. Leveraging Germany's and Europe's strong identity infrastructure, Deutsche Telekom offers AI-driven, end-to-end cybersecurity, keeping humans in control. Deutsche Telekom is Europe's trusted digital identity leader – from SIM issuance to secure clouds and device security – offering a reliable ecosystem that protects your business, both now and in the future.

Connecting your world.