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IT MYTHS DEBUNKED

Is it actually true that AI is as power-hungry as we keep hearing? And what is the truth behind the rumor that every printer prints invisible codes? We examine common myths about sustainability in the IT world, operating systems-systems, security and hardware.

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- 14 Security myths fact-checked
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HOW AI WORKS

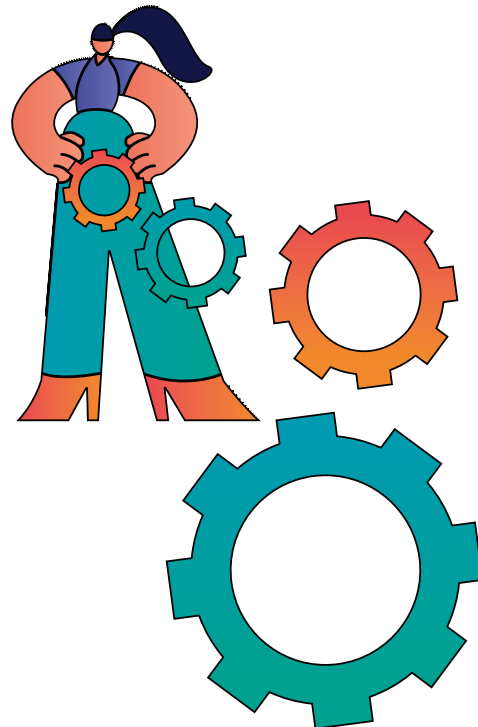
Few people are probably aware of the thought patterns behind artificial intelligence or that it can recognize emotions. The same goes for the fact that image generators can be manipulated so that they mistake a dog for a cat.

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EXCITING NEWS FROM RESEARCH

A curated mix from the colorful world of science: eavesdropping cars and tiny artificial noses that sniff out gas molecules are just as much a part of it as the James Webb telescope, whose data you can even analyze yourself.

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This magazine is the English translation of the German c't special issue 'Know-how', which was published by heise Medien in January 2024. The articles were machine translated and then edited. However, translation-related errors or indirect errors resulting from the translation cannot be ruled out. If you find any errors or have any comments on the translation, please send an e-mail to translation@heise.de. As technical development, particularly in the field of artificial intelligence, is progressing rapidly, we would also like to point out that the articles reflect the state of technology at the time the article was written.

NERD KNOWLEDGE EXPLAINED

Getting to the bottom of Rubik's cubes, making an AI rapper or decoding QR codes by hand – you don't have to know anything about these topics, but you want to. If you're interested in specialized knowledge on nerdy topics, this is the right place for you.

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CRACKING HISTORICAL ENCRYPTION

Although old ciphers no longer play a role today, they still serve as a good teaching example to immerse yourself in the world of cryptography. Some were far ahead of their time and were only deciphered hundreds of years later.

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