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Tomas hacked the bank that holds your money. Don't worry though - he was on the good side. With the valid contract and the goal to help. He found his hacker talent back in childhood - wrote his first program as eight years old. In his adult life, he decided to make the world more secure. Tomas has more than ten years of professional experience in IT security. He is helping companies ranging from e-commerce to major financial institutions. He is the hacker on your side.

The presentation is discussing securing industrial control systems against hacker attacks. Explains the usual methods of defense and ways how hackers circumvent them. In detail explains the concept of physical isolation of the networks as the main security countermeasure. So-called air gap was considered and by many still is considered the most reliable and unpenetrable defense against the attacks on the internal network. This kind of counter-measure is commonly used in the army, industrial control systems of critical infrastructure and medical systems affecting human lives. You will see a live demonstration of a hacker attack on such a system.