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Recent Infiltration of U.S. Power Grid

I would like to write a research paper on the topic of the recent successful infiltration of the U.S. Power Grid system. Wall Street Journal released an article recently stating that Russian and Chinese spies infiltrated the system and left behind software that could potentially shut down the power grid, causing massive blackouts and confusion. I plan to look at the consequences such an attack might have, potential solutions, and the likely vulnerabilities that allowed such an infiltration.

This topic interests me because an infiltration of this magnitude on such a vital system poses a very significant national security problem. This problem, and others like it, needs to be addressed and studied so that secure systems can be implemented.