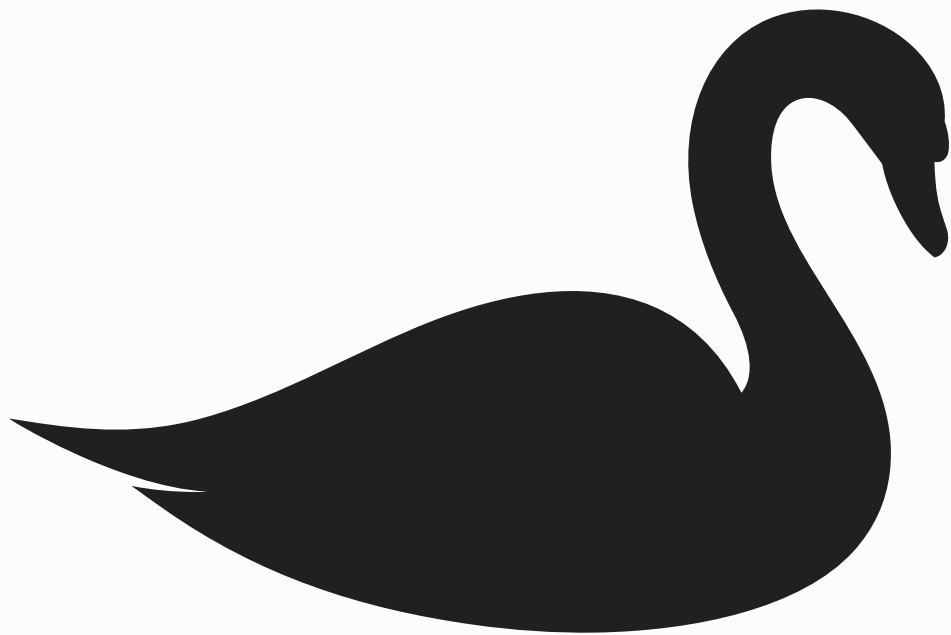
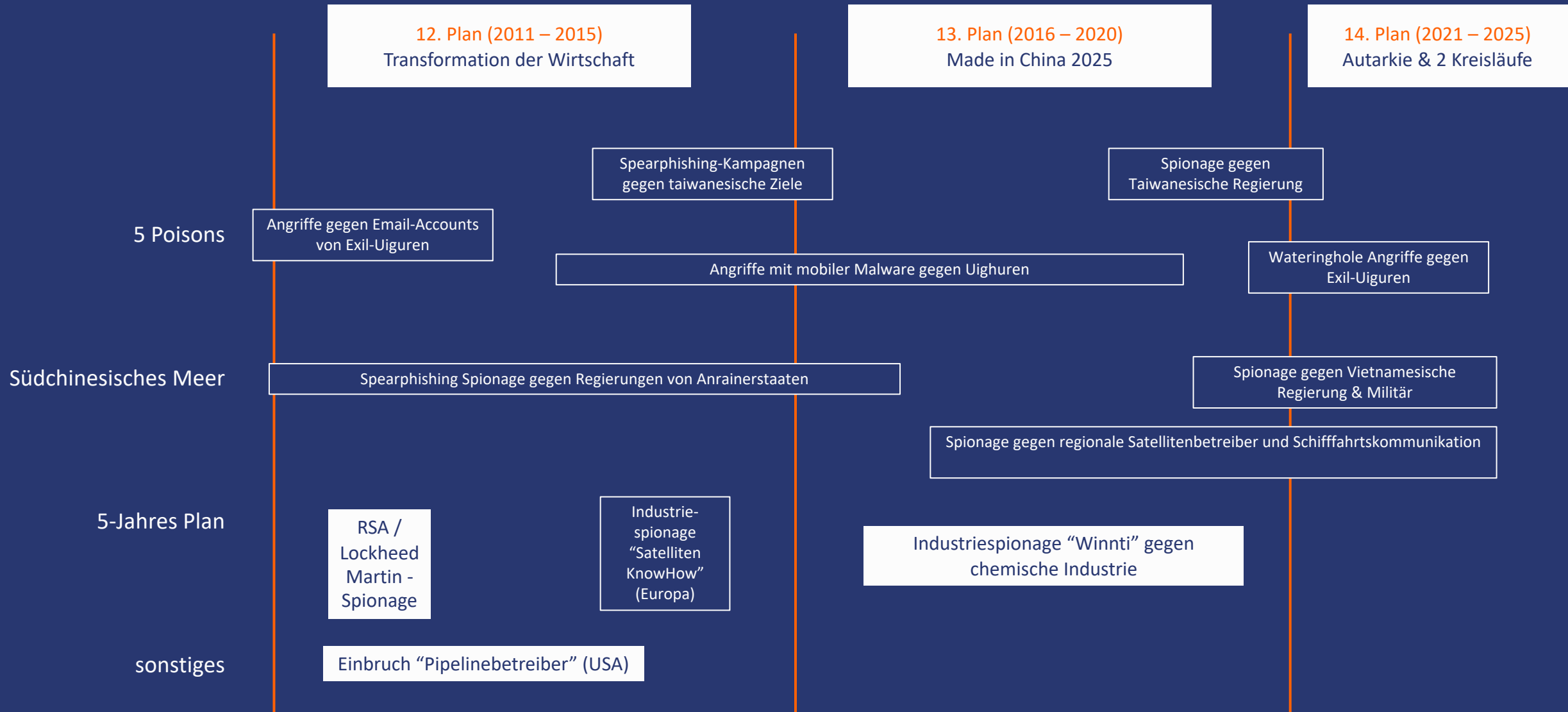


Real World Cyber strategische Ziele und ihre Auswirkungen im Cyberraum









**Dienst der Außenaufklärung
der Russischen Föderation
(SVR)**

Служба внешней разведки
Российской Федерации



**Föderaler Dienst für
Sicherheit der Russischen
Föderation
(FSB)**

Федеральная служба
безопасности Российской
Федерации



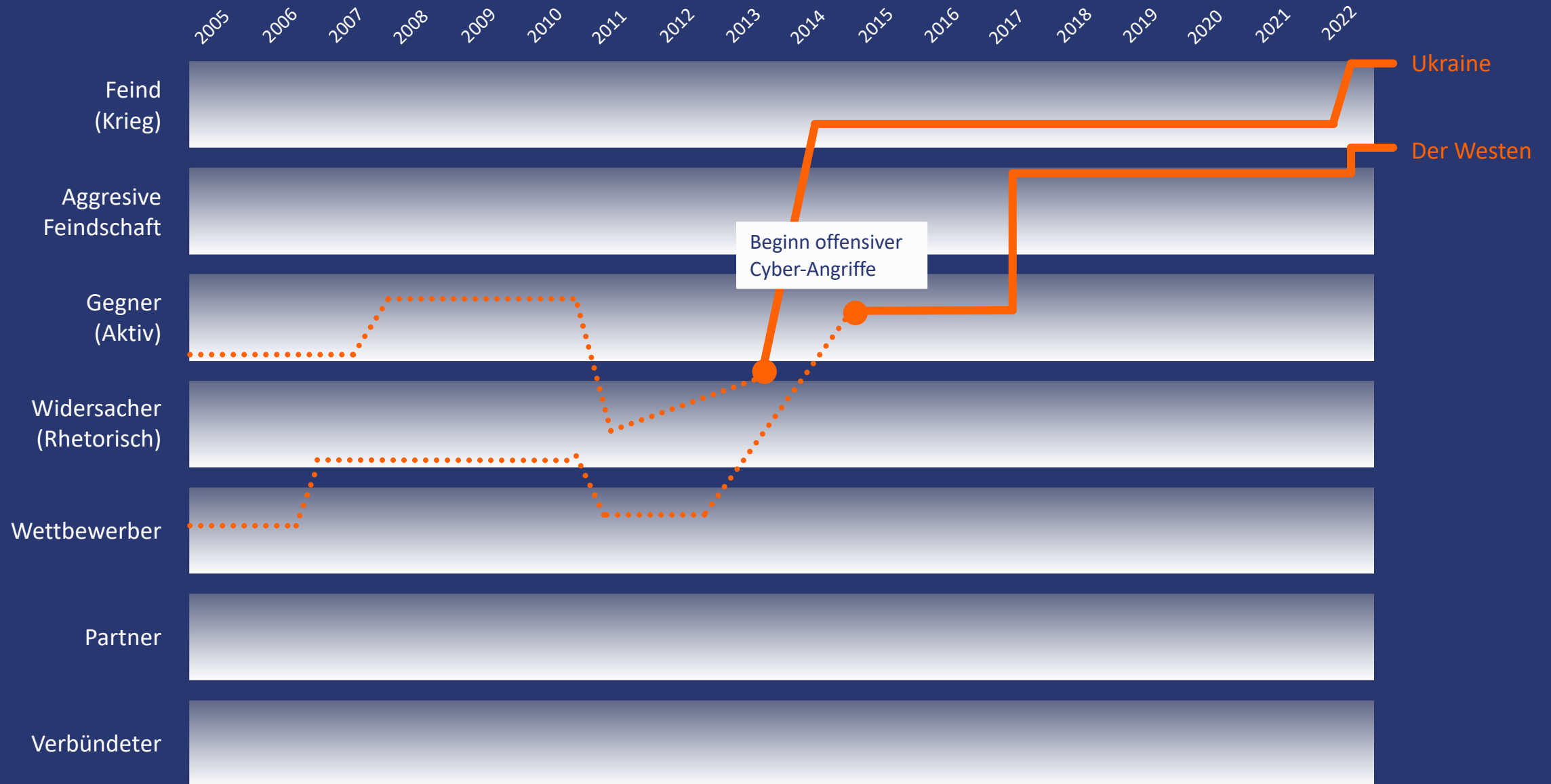
**Hauptverwaltung für
Aufklärung
(GRU)**

Главное разведывательное
управление





Politische Haltung der Russischen Regierung



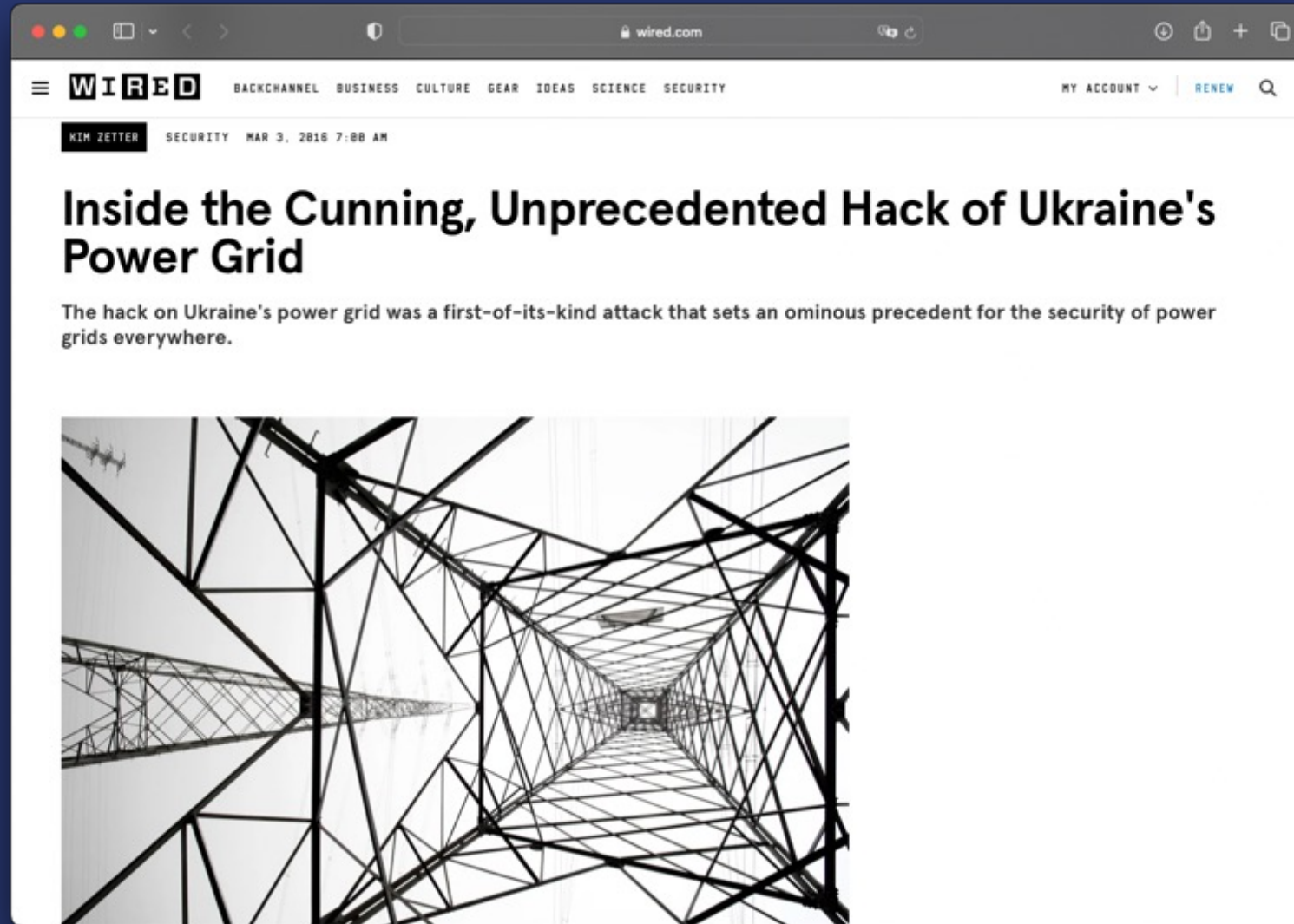
Russische Cyber-Angriffe gegen die Ukraine März 2013 – Juli 2021

Mid-2013	Ukrainian-government, law-enforcement and military officials harassment operation disguised as espionage interference in discussions about the EU-Ukraine Association Agreement	Nov 2018	Ukrainian government and military targets malware and disinformation planning and execution of Russia's seizure of Ukrainian vessels and crew on 25 November 2018 (Kerch Strait crisis)
Mar 2014	Crimea's telecommunications infrastructure, major Ukrainian websites, and mobile phones of key Ukrainian officials disabling attacks preparation for annexation of Crimea	24-25 Feb 2019	CEC distributed denial-of-service (DDoS) attack to sabotage the election outcome
May 2014	Ukraine's Central Election Commission (CEC) harassment and disruption support for Russia's preferred presidential candidate	Mar 2019	CEC phishing to disrupt election declarations (attacks were foiled)
Dec 2014-16	Ukrainian artillery units malware implant on Android devices intelligence collection to enable strikes against the units in support of pro-Russian separatists in eastern Ukraine	Oct-Nov 2019	Ukrainian diplomats, government officials, journalists, law-enforcement officials, military officials and non-governmental organisations (NGOs) spear-phishing campaign espionage
2014	Ukrainian public disinformation regarding the Russian annexation of Crimea and anti-Semitic incidents in Ukraine to legitimise Russia's annexation of Crimea and build support for the Russian military in the subsequent conflict in eastern Ukraine	Feb 2020	Ukrainian national-security institutions, such as the Hetman Petro Sahaidachnyi National Ground Forces Academy spear-phishing campaign espionage
2014-Nov 2021	Ukrainian state entities and critical infrastructure (targeted 1,500 government computer systems) developed custom malware 'Pterodo' to gain control over Ukraine's critical-infrastructure facilities, conduct espionage, informational and psychological influence and block access to information systems	Feb 2020	Ukrainian citizens phishing to modify or destroy data, and disinformation relating to the coronavirus pandemic social disruption (outcome included violent protests and clashes with the police)
Dec 2015	Three Ukrainian energy-distribution companies disruption to sabotage the supply of electricity to more than 225,000 Ukrainian customers	May 2020	Ukrainian citizens social-influencing operations and disinformation to create panic and confusion amid the coronavirus pandemic and by raising the spectre of creation of the 'Republic of Novorossiya'
Apr 2016	Energy company initial penetration preparation for sabotage attack in December 2016	Aug 2020	Ukrainian public agencies and critical infrastructure malware disruption and sabotage on the eve of Ukraine's Independence Day
Oct 2016	Ministry of Finance and State Treasury Service initial penetration preparation for later sabotage attack	Jan 2021	Ukrainian state institutions phishing email reconnaissance, possible disruption
Dec 2016	Companies supporting Ukraine's electricity grid and Ministry of Finance and State Treasury Service deployment of destructive malware sabotage (Ukraine reported 6,500 cyber attacks against five government agencies and 31 state information resources in the previous two months)	Jan-Mar 2021	Ukrainian government officials massive and sustained malware attacks in unprecedented numbers strategic disruption (attacks were unsuccessful but coincided with the build-up of Russian forces on the border with Ukraine)
Jun 2017	Ukrainian banks and corporations, including the state power distributor 'NotPetya' ransomware disabling attacks (the attack caused serious damage and disruption worldwide)	Feb 2021	Ukrainian security and defence websites, other state institutions and strategic enterprises large-scale DDoS attacks sabotage (a new form of attack that rendered the websites inaccessible even after the end of the attacks)
Oct 2017	Kyiv's metro system and Odessa airport 'BadRabbit' ransomware to disable and disrupt	Feb 2021	File-sharing system used by Ukrainian government agencies uploaded malicious documents containing macro scripts espionage
Autumn 2017	Ukrainian government agencies, local government bodies, state-owned critical infrastructure ransomware to disable and disrupt	Mar 2021	Ukrainian government information resources penetration operations possible control of state information resources
Jun 2018	Ukrainian companies, banks and energy infrastructure create backdoors preparation for a large-scale attack	Jun 2021	Ukrainian government and private sector spear-phishing operation espionage
Jul 2018	Ukraine's Aul Chlorine Overflow station (sewage and water purification) 'VPNFilter' malware social disruption and damage	Jul 2021	Ukrainian Naval Forces website malware and publishing fake documents to express discontent regarding the Sea Breeze 2021 military exercise involving Black Sea nations and NATO allies and partners and to spread disinformation about the military drill

Russische Cyber-Angriffe gegen die Ukraine März 2013 – Juli 2021



2015



The image shows a screenshot of a web browser displaying a Wired.com article. The browser's address bar shows "wired.com". The Wired logo is prominent in the top left, with navigation links for "BACKCHANNEL", "BUSINESS", "CULTURE", "GEAR", "IDEAS", "SCIENCE", and "SECURITY". On the right, there are links for "MY ACCOUNT" and "RENEW". The article is by Kim Zetter, dated March 3, 2016, at 7:00 AM. The title is "Inside the Cunning, Unprecedented Hack of Ukraine's Power Grid". The sub-headline reads: "The hack on Ukraine's power grid was a first-of-its-kind attack that sets an ominous precedent for the security of power grids everywhere." Below the text is a black and white photograph of a power line tower structure, viewed from a low angle looking up, creating a sense of depth and scale.

Wired.com

Wired

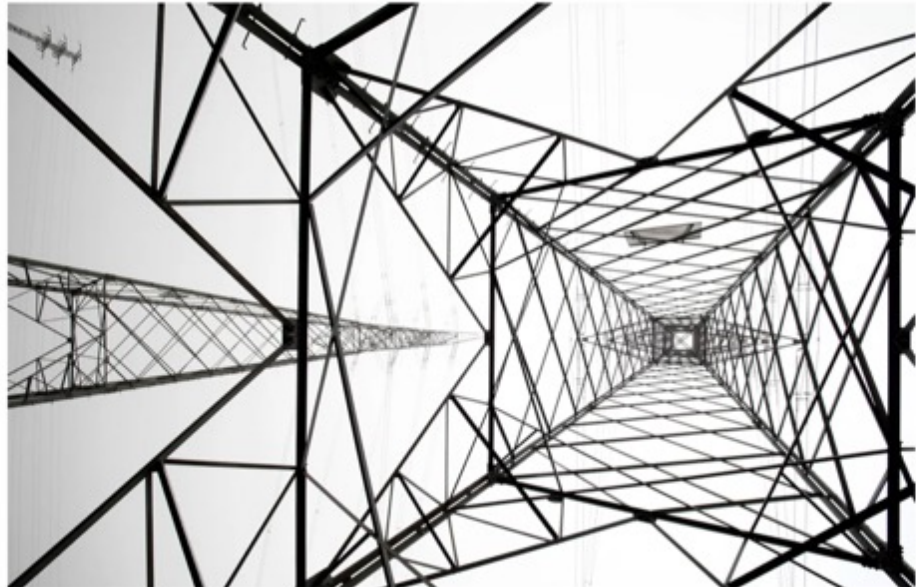
BACKCHANNEL BUSINESS CULTURE GEAR IDEAS SCIENCE SECURITY

MY ACCOUNT RENEW

KIM ZETTER SECURITY MAR 3, 2016 7:00 AM

Inside the Cunning, Unprecedented Hack of Ukraine's Power Grid

The hack on Ukraine's power grid was a first-of-its-kind attack that sets an ominous precedent for the security of power grids everywhere.



2016 - 2017

The image shows a screenshot of a web browser displaying a Wired article. The browser's address bar shows 'wired.com'. The article's author is 'ANDY GREENBERG' and it is an 'EXCERPT' from the 'SECURITY' section, dated 'AUG 22, 2018 5:00 AM'. The main title is 'The Untold Story of NotPetya, the Most Devastating Cyberattack in History'. Below the title is a sub-headline: 'Crippled ports. Paralyzed corporations. Frozen government agencies. How a single piece of code crashed the world.' The article features a large red graphic with a circular porthole in the center showing a blue sea. The background of the graphic is filled with a grid of hexadecimal characters (00, 20, 00, 2F, 00, 53, 00, 54, 00, 30, 20, 00, 00, 64, 00, 3A, 00, 25, 00, 30, 00, 00, 32, 00, 74, 00, 20, 00, 25, 36, 00, 30, 00, 30, 00, 32, 00, 64, 2E, 00, 20, 00, 00, 00, 73, 00, 60, 00, 70, 00, 52, 74, 00, 00, 6E, 00, 2E, 00, 65, 00, 70, 00, 79, 65, 00). The author's name 'MIKE MCQUADE' is visible at the bottom left of the graphic.

"All the News
That's Fit to Print"

The New York Times

Late Edition

Today, cloudy, rain, snow and ice north and west, clearing later, high 38. Tonight, mostly clear, colder, low 22. Tomorrow, mostly sunny, cold, high 34. Weather map, Page B10.

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NEW YORK, FRIDAY, FEBRUARY 25, 2022

\$3.00

WAR IN UKRAINE

RUSSIANS PUSH INTO OUTSKIRTS OF CAPITAL AS DEATHS RISE AND THOUSANDS FLEE WEST



EVGENY MALOLETKA/ASSOCIATED PRESS

DESTRUCTION A military facility in southern Ukraine on Thursday as Russian forces unleashed artillery strikes across the nation.

Big Explosion Is Seen Over Kyiv; Zelensky Says He's 'Target No. 1'

This article is by Michael Schwartz, Eric Schmitt and Neil MacFarquhar.

SLOVYANSK, Ukraine — Russia continued its attack on Ukraine early Friday, one day after it invaded the country by land, sea and air, killing more than 100 Ukrainian soldiers and civilians and ominously touching off a pitched battle at the highly radioactive area around the Chernobyl nuclear reactor that melted down in 1986.

Videos verified by The New York Times showed a large explosion in the sky over the outskirts of southern Kyiv, the capital, around 4:20 a.m. Friday. Witnesses filmed fiery debris falling over parts of the city, and videos appeared to show at least two surface-to-air missiles being fired from Kyiv before the explosion.

On Thursday, Day 1 of the first major land war in Europe in decades, the Russian military began its attack before sunrise with the terrifying thud of artillery strikes on airports and military installations all over Ukraine. A senior



SARAH BETH MANN/THE NEW YORK TIMES

President Biden denounced a "brutal assault" and said that "America stands up to bullies."

Pentagon official said that three lines of Russian troops and military forces were moving swiftly toward Ukrainian cities — one heading south from Belarus toward Kyiv; another toward Kharkiv, in northeast Ukraine; and a third toward Kherson in the south, near Crimea. The forces were using missiles and long-range artillery, the official said.

By Thursday's end, Russian
Continued on Page A6

MATT BURGESS SECURITY MAR 23, 2022 7:00 AM

A Mysterious Satellite Hack Has Victims Far Beyond Ukraine

The biggest hack since Russia's war began knocked thousands of people offline. The spillover extends deep into Europe.



PHOTOGRAPH: BJLZX/GETTY IMAGES

Viasat Hack "Did Not" Have Huge Impact on Ukrainian Military Communications, Official Says

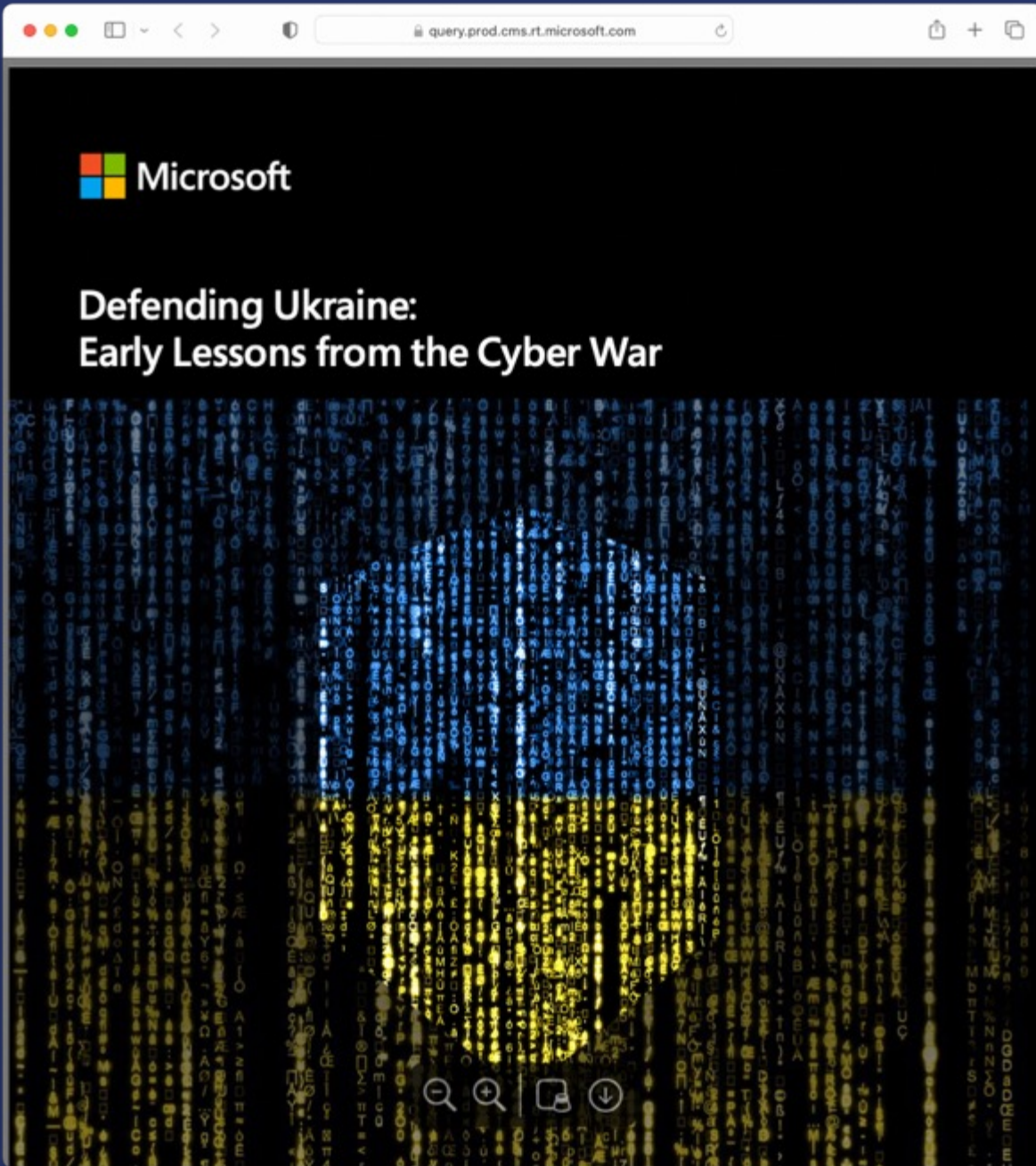
Contrary to initial reports that it resulted in a "really huge loss in communications in the very beginning of war," the hack did not have a huge impact on ability to coordinate military operations.

Kim Zetter
Sep 26



In the early weeks of the war in Ukraine, the public learned about a hack that targeted modems used for Viasat internet connectivity on the day the invasion began in February.

The hack occurred on Feb. 24 between 5am and 9 am, around the same time that Russian forces began their onslaught of Ukraine with missiles, and Russian troops began moving into the country.







Fragen & Antworten

Broschüre



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