

WHAT IF
EVERYTHING
GOT HACKED?

AND NO ONE CARED...

B	I	N	G	O
SolarWinds	Kaseya	HAFNIUM (Exchange)	Executive Orders	QNX
ATT&CK D3FEND	Print Nightmare	Pegasus	Accellion	Pulse VPN
T-Mobile	Oldsmar	STUXNET (Free Space)	Side-channel CPU attacks	Cyberspace Solarium
Fortinet VPN Passwords	SBOM	PetitPotam	ModiPWN	Dell SupportAssist
Zero Trust	Colonial Pipeline	Cobalt Strike	GhostScript	Incontroller

GET READY
HERE WE GO...

SMART HUB

Search



X



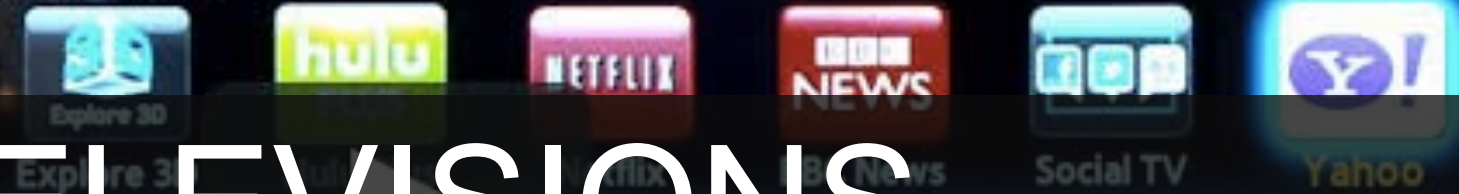
Your Video



Samsung Apps



Recommended



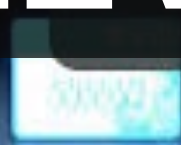
TELEVISIONS



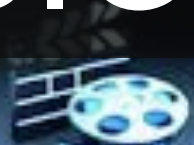
Favorites



Channel



Web Browser



Videos



Photos



Music



Schedule Man...



Source



AllShare



Blockbuster



CinemaNow



ESPN ScoreCe...

A Logout B Sort by C Edit Mode D Settings



VOICE ASSISTANTS

A photograph of a smart kitchen setup. On the left is a black and stainless steel smart kettle with a glass carafe, featuring the 'GRIFFIN' logo on its base. To its right is a silver smart toaster, also with the 'GRIFFIN' logo on its front panel. The toaster has a digital display and several control buttons labeled 'PRESET', 'TOAST', 'BAKED', 'FROZEN', 'GLUTEN FREE', and 'DARKER'. In the foreground, a smartphone with a pink case displays a control app for the toaster. The app shows a 'GRIFIN TOASTER' interface with a timer set to '00:24 UNTIL DONE' and a 'Loading...' status. Below the timer, there are preset options: 'Burnt', 'That's Just Warm Bread', 'White Bread', and 'White Bread'. The background shows a table with a patterned tablecloth and a laptop keyboard.

TOASTERS

07:30


Good Morning Sarah!

Would you like me to
pop the kettle on?

OK

Cancel

 **ikettle**
THE WIFI KETTLE™

 **ikettle**[®]

KETTLES

Brew a Fresh Pot From
Anywhere With Your
Smart Device!

COFFEE MAKERS



Mr. Coffee® 10-Cup Smart Optimal Brew™



VACUUMS



REFRIGERATORS

HOME ALARM SYSTEMS

Whole Home Protection

Protection for every window, room and door. Against intruders, fires, water damage, medical emergencies & more. All monitored 24/7 by professionals ready to dispatch police.

[WATCH VIDEO](#)



4.6 ★★★★★
Google
Customer Reviews



- 1 INTERACTS WITH FURBY CONNECT WORLD APP
- 2 IN-APP SURPRISES
- 3 CONNECTS WITH FRIENDS
- 4 DOWNLOAD THE APP!

KIDS' TOYS



ADULT TOYS



WOMEN'S HYGIENE PRODUCTS

Bluetooth



TOILETS

HOT TUBS





BABY MONITORS

WATCHES



Four fitness trackers are displayed against a white background. On the left is a teal tracker, in the center is an orange one, and in the foreground are a blue and a black one. Each tracker has a small display area with four white dots. A dark grey horizontal bar is overlaid across the middle of the image, containing the text 'FITNESS TRACKERS' in white, bold, uppercase letters.

FITNESS TRACKERS



LIGHT BULBS

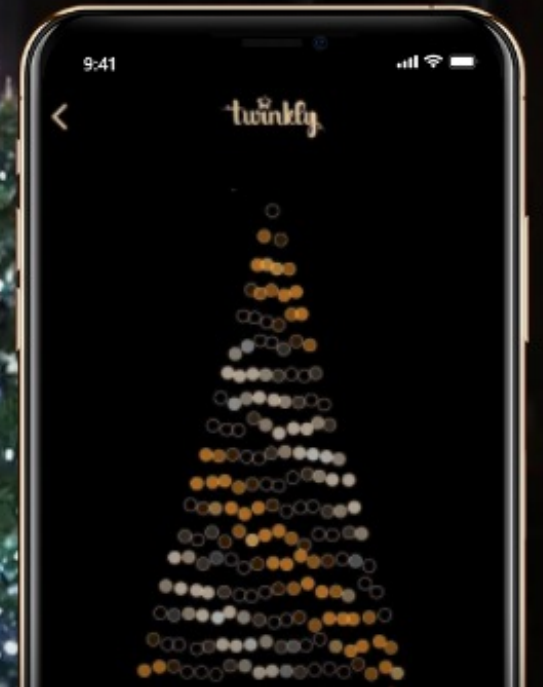


CHRISTMAS LIGHTS

Smart lights. But with class.

GOLD EDITION

DISCOVER MORE





PLUGS

A white automatic pet feeder is shown in a bright, clean environment. A fluffy white cat is eating from the feeder's bowl. The feeder has a cylindrical body with a black band near the top and a white bowl at the bottom. A green plant is visible in the background. The text "PET FEEDERS" is overlaid in white on a dark horizontal band across the middle of the image.

PET FEEDERS

ROSARY



About Tapia

A home communication robot watching over your family.

LEARN MORE

Tapia Instruction Manual

The online version of the instruction manual for Tapia for individuals.

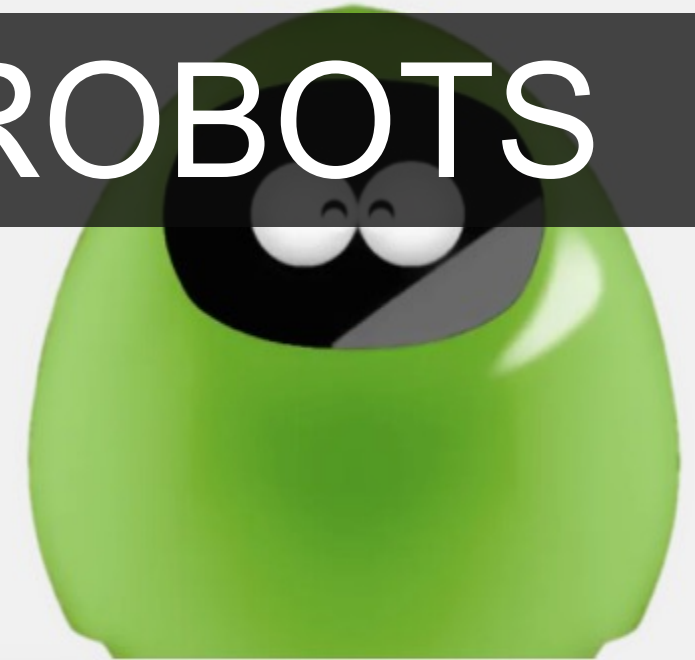
VIEW THE INSTRUCTION MANUAL

TAPIA PLAY

TAPIA PLAY is a free educative game that was developed to make programming easy for newcomers to learn.

LEARN MORE

HOTEL COMPANION ROBOTS



HIKING GEAR



Home / Guitar Amplifiers / Contemporary-Digital / Mustang™ GT 100

MUSTANG™ GT 100

Model #: 2310200000



COLOR

Black



VOLTAGE

120V



Learn to play. Save 10% on gear.

START YOUR FREE TRIAL ▶

GUITAR AMPS

\$399.99

FREE SHIPPING ON THE WAY

Order now and we expect to ship within the next 30 days

⊕ Hover to zoom

ADD TO CART

FIND IN STORE



Help

Fitbit Aria 2™ & Fitbit Aria Air™ Smart Scales

BATHROOM SCALES

Get a clearer picture of your health with two easy-to-use smart scales that work alongside Fitbit products to help you reach your health and fitness goals.

ARIA 2



ARIA AIR

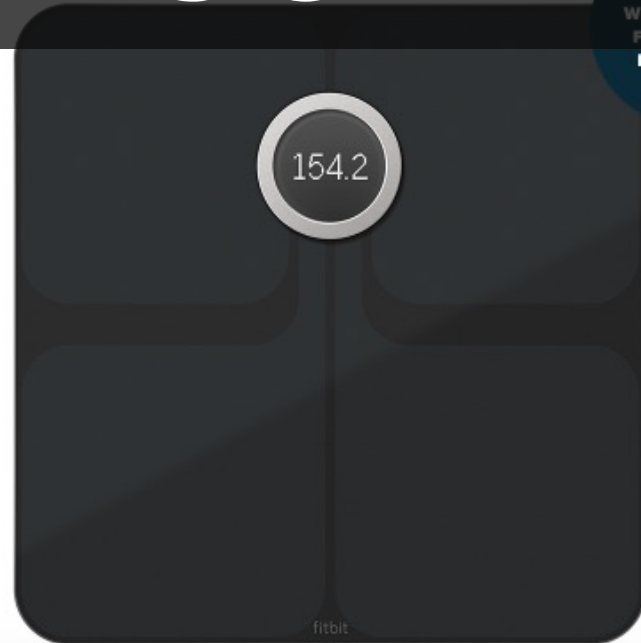


Selected

Black

QUANTITY

1 ▾



WEIGHT, BODY FAT %, BMI & LEAN MASS

In stock



DIGITAL CAMERAS



CRYPTOWALLETS



Iris Recognition

Iris recognition is the most reliable and secure biometric technology after DNA.



Encrypted Only by You

eyeDisk frees you from worries of losing your USB drive. AES-256 is a key generation method used to securely encrypt your data and prevent unwanted access to your files.

ENCRYPTED USB DRIVES



Speed

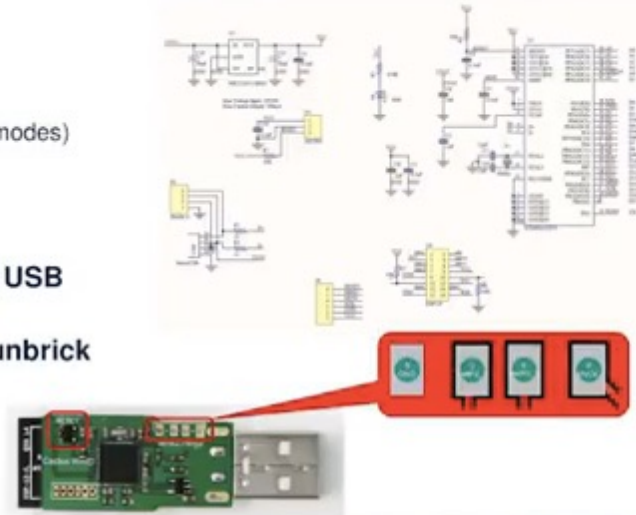
With integrated camera on flash disk, quick capture of the iris for enrollment, open it with one glance in 0.5s.



USB CHARGING STATIONS

WHID Injector – Schematics & Specs

- **Atmega 32u4**
 - Arduino-friendly
- **ESP-12**
 - WiFi (both AP and Client modes)
 - TCP/IP Stack
 - DNS Support
 - 4MB Flash
- **Pinout for weaponizing USB gadgets**
- **HALL Sensor for easy unbrick**



ANYTHING USB

How to Bring HID Attacks To The Next Level

Luca Bongiorno

Scan the QR code to download the APP

IOS



Android



PADLOCKS



Built-in 300mAh
Rechargeable battery



Unlocking Methods

Use button / fingerprint / password
to unlock on APP, or input fingerprint
on padlock to unlock.



A hand holds a smartphone in the foreground, displaying a smart home application interface. The screen shows a 'My Home' section with several circular icons representing different rooms or devices. Below this is a large circular control element, possibly a lock status indicator. At the bottom of the screen, there are several red and teal icons for various smart home functions. In the background, a modern, black digital door lock is mounted on a light-colored door. The lock features a numeric keypad with numbers 1-9, *, 0, and #, and a silver circular keyhole at the bottom. The overall scene is brightly lit, suggesting an indoor setting.

DOOR LOCKS

A close-up photograph of a person's hand turning a silver door handle on a light-colored wood-grain door. The door has a modern lock mechanism with a card reader and a small display. The background is a blurred hotel room interior with warm lighting and a window with curtains.

HOTEL ROOM LOCKS



ACCESS CONTROL SYSTEMS

A close-up photograph of a white, cylindrical IP security camera. The camera is mounted on a wall using a grey metal bracket. A black cable is connected to the bottom of the camera. The camera has a lens on the right side and a small light or sensor on the bottom. The background is plain white.

IP SECURITY CAMERAS



THERMOSTATS



HVAC CONTROLLERS

A large, modern office building with a glass facade and a courtyard. The building is illuminated from within, and the sky is a mix of blue and grey. In the foreground, there is a large digital billboard displaying a person on a skateboard. The billboard also features logos for OMO and Vodafone. The text "SMART BUILDINGS" is overlaid in large white letters across the center of the image.

SMART BUILDINGS

CONSTRUCTION CRANES

The image features several large tower cranes silhouetted against a vibrant sunset sky. The sun is low on the horizon, creating a bright orange and yellow glow that transitions into a darker blue at the top. The cranes are positioned at various heights and angles, with their long jibs extending across the frame. The overall scene is a dramatic and industrial landscape.

A drone is shown in flight against a solid blue background. The drone is a quadcopter with four arms, each with a propeller. Two of the propellers are blurred, indicating motion. The drone's body is dark, and it has a camera mounted on the front. A dark horizontal band runs across the center of the image, containing the word "DRONES" in white, bold, uppercase letters.

DRONES



DRONES



TRACTORS

PRECISION AGRICULTURE



LoJack® SureDrive™
Peace of Mind for the Drive Ahead™



VEHICLE TRACKERS

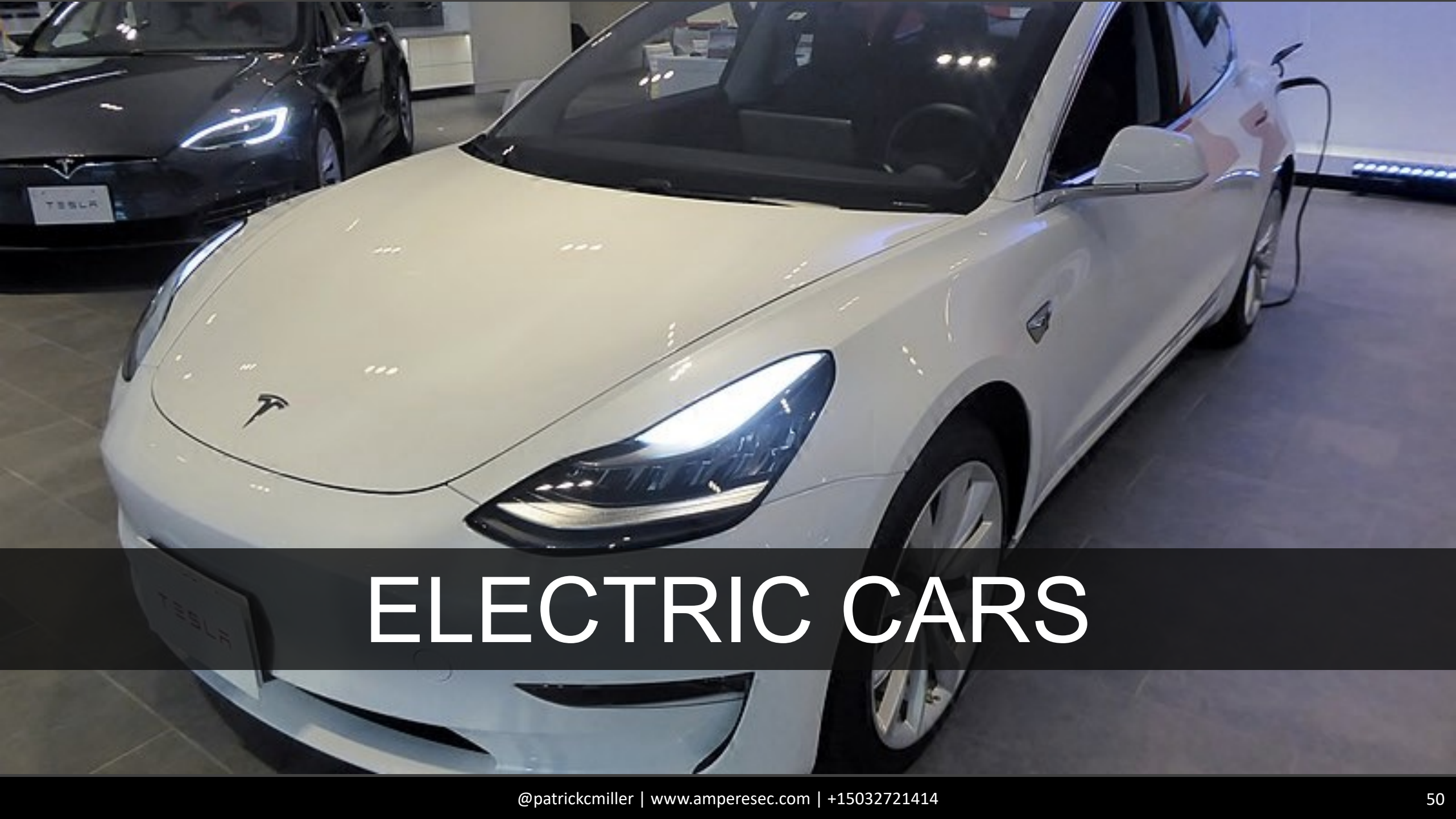
LoJack® SureDrive™ is a mobile app that connects you with your car



VEHICLE KEY FOBS



ELECTRIC CAR CHARGERS



ELECTRIC CARS

REGULAR CARS





ROAD SIGNS

TRAFFIC SIGNALS



TRAINS





YACHTS

SHIPPING VESSELS



AIRPLANES





SATELLITES



CELL TOWERS

KIOSKS



Eat In



Take Out



A black mobile hotspot device is shown from a top-down perspective. It has a rounded rectangular shape with a central screen area. A circular logo with "4G+" is visible in the top left corner. The device has several buttons on the bottom edge, including one labeled "WPS" and a power button. The text "MOBILE HOTSPOTS" is overlaid in large white letters across the center of the device.

MOBILE HOTSPOTS



MOBILE PHONES

A close-up photograph of a person's hands holding a tablet computer. The tablet screen displays a document with several columns of text. A dark horizontal bar is overlaid across the middle of the image, containing the word 'TABLETS' in white, bold, uppercase letters. The background is blurred, showing what appears to be a textured surface like a wall or ceiling.

TABLETS

KEYBOARDS



A black computer mouse is shown from a side profile, resting on a light-colored wooden surface. The mouse has a scroll wheel and two main buttons. The word "MICE" is written in large, white, sans-serif capital letters across the middle of the mouse. A dark horizontal bar is visible behind the text.

MICE



LAPTOPS

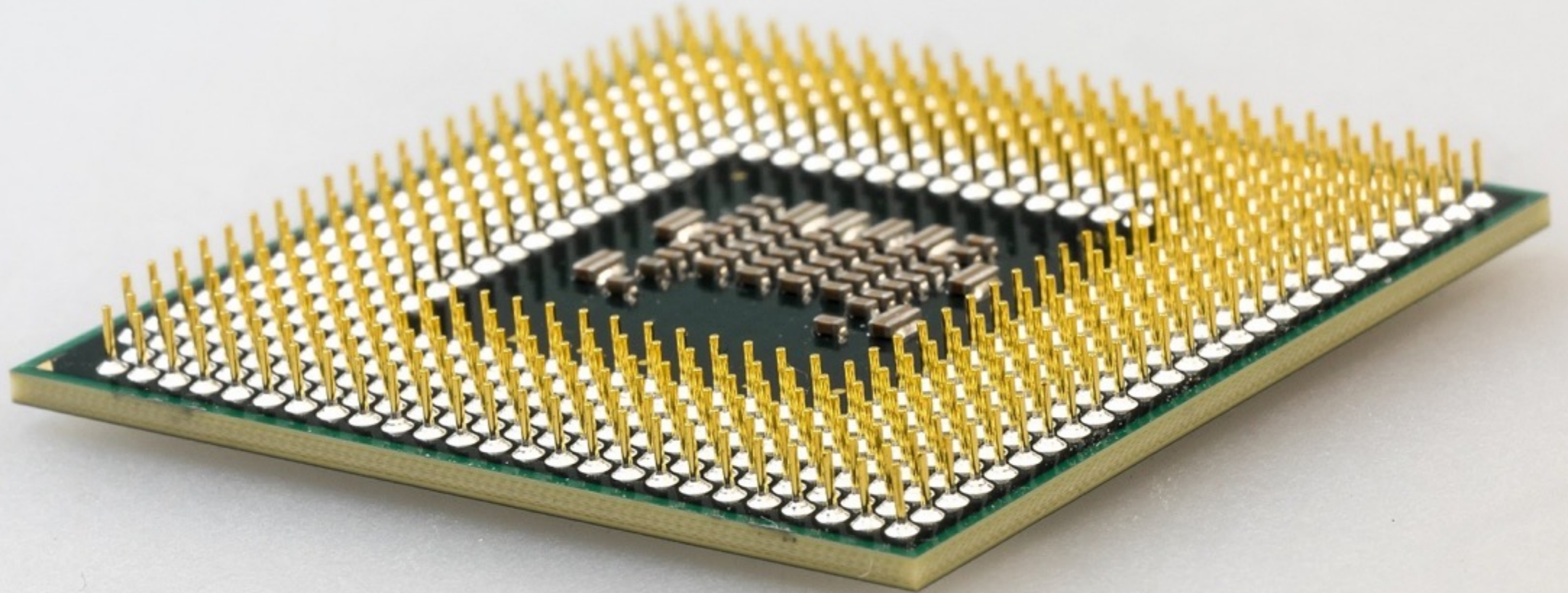


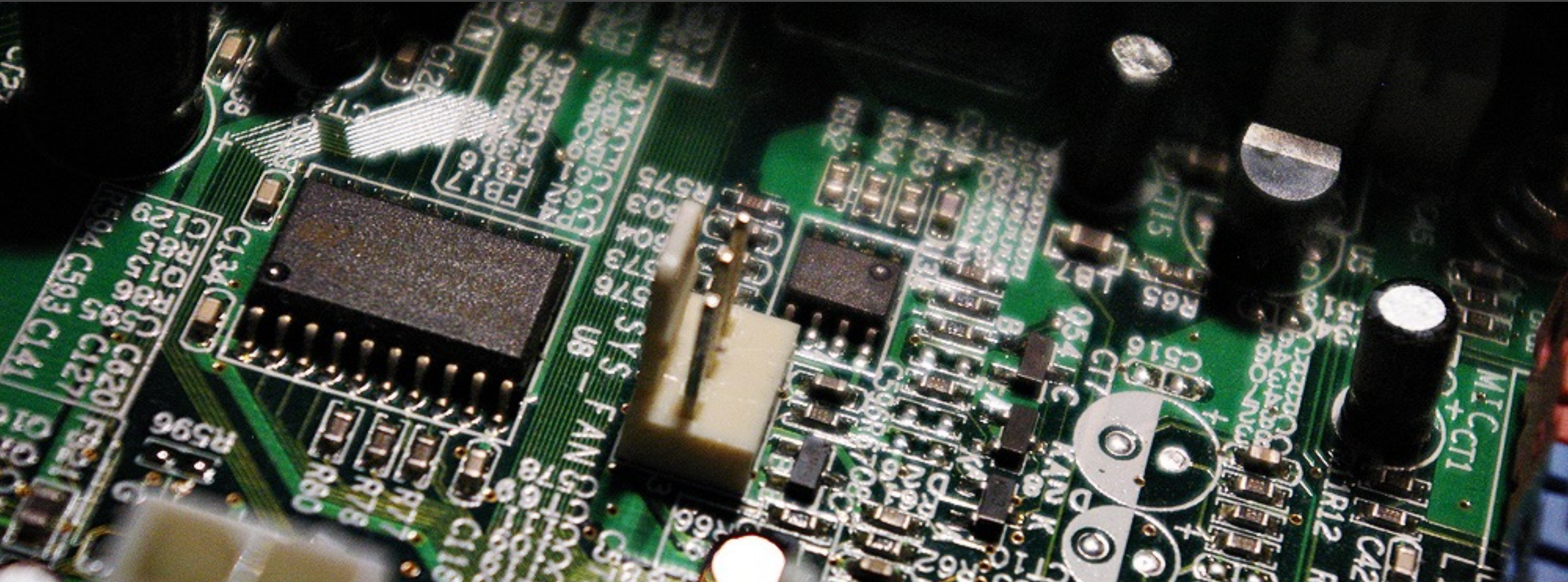
WORKSTATIONS



SERVERS

PROCESSORS





MOTHERBOARDS

VMware ESXi 6.0.0 (VMKernel Release Build 2494585)

Xen HVM domU

Intel(R) Xeon(R) CPU E5-2699 v3 @ 2.30GHz
4 GiB Memory

No compatible network adapter found. Please consult the product's Hardware Compatibility Guide (HCL) for a list of supported adapters.

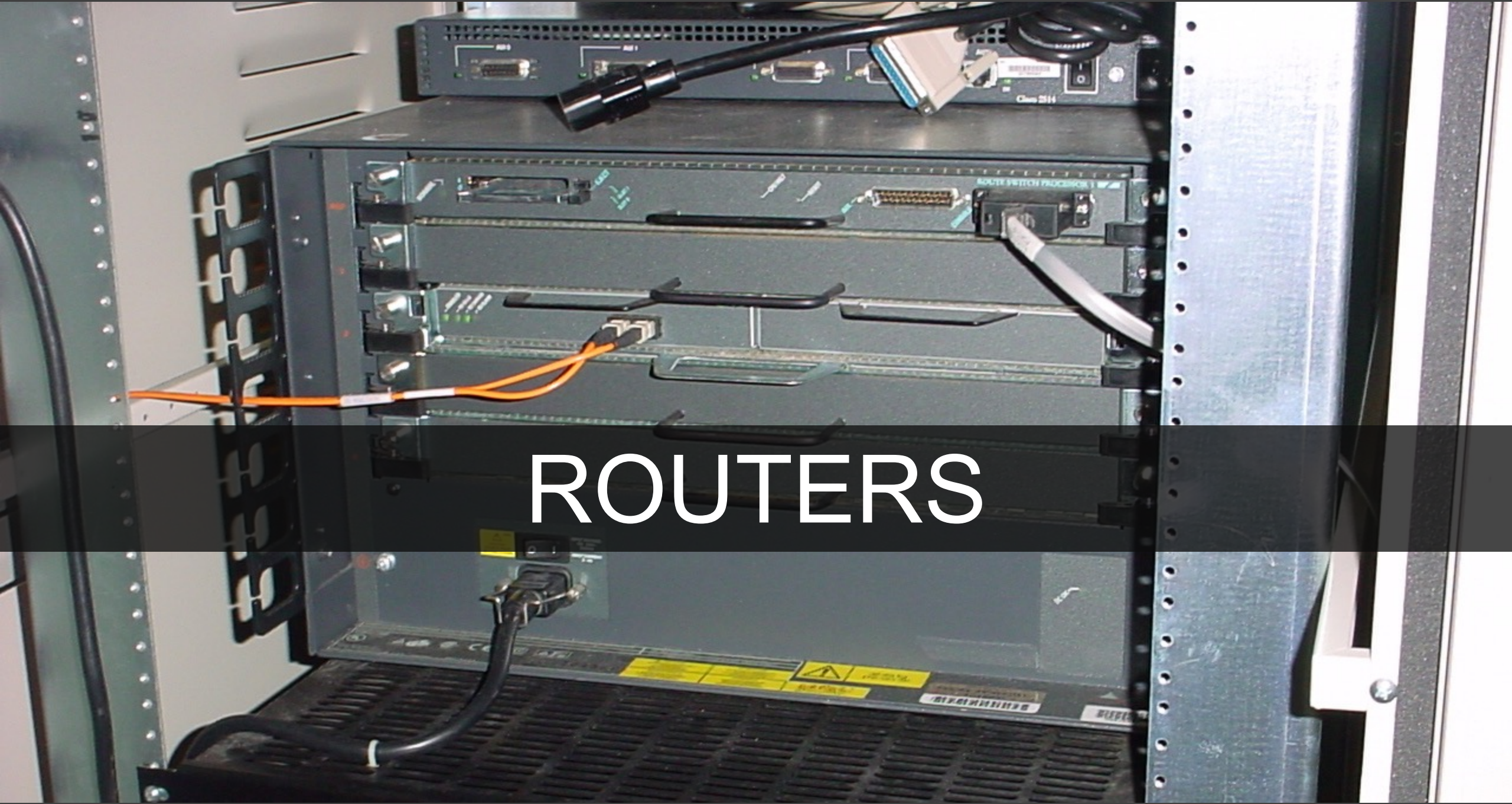
HYPERVISORS

<F2> Customize System/View Logs

<F12> Shut Down/Restart

A close-up photograph of a network switch. The image shows two rows of RJ45 ports. The top row has ports numbered 10, 12, 14, and 16. The bottom row has ports numbered 10, 12, 14, and 16. Numerous white Ethernet cables are plugged into the ports. Several of the ports have small green LEDs that are illuminated, indicating active connections. The background is dark, making the glowing lights and white cables stand out.

SWITCHES



ROUTERS



FIREWALLS

CONTAINERS





BUCKETS



SCHOOLS



POLICE



FIRE STATIONS

A photograph of a 911 emergency operations center. In the foreground, a man with a beard and glasses, wearing a headset, is seated at a workstation with multiple computer monitors. He is looking at the screens, which display various data and maps. In the background, another operator is visible at a similar workstation. The room has large windows and several computer workstations arranged in rows.

911 EMERGENCY OPERATIONS



EMERGENCY SIRENS



From: alerts@ewn.com.au >

To: [REDACTED]

Hide



EWN Hacked - Privacy Alert

Yesterday at 9:00 pm

EWN has been hacked. Your personal data stored with us is not safe. We are trying to fix the security issues. Please email support@ewn.com.au if you wish to unsubscribe.

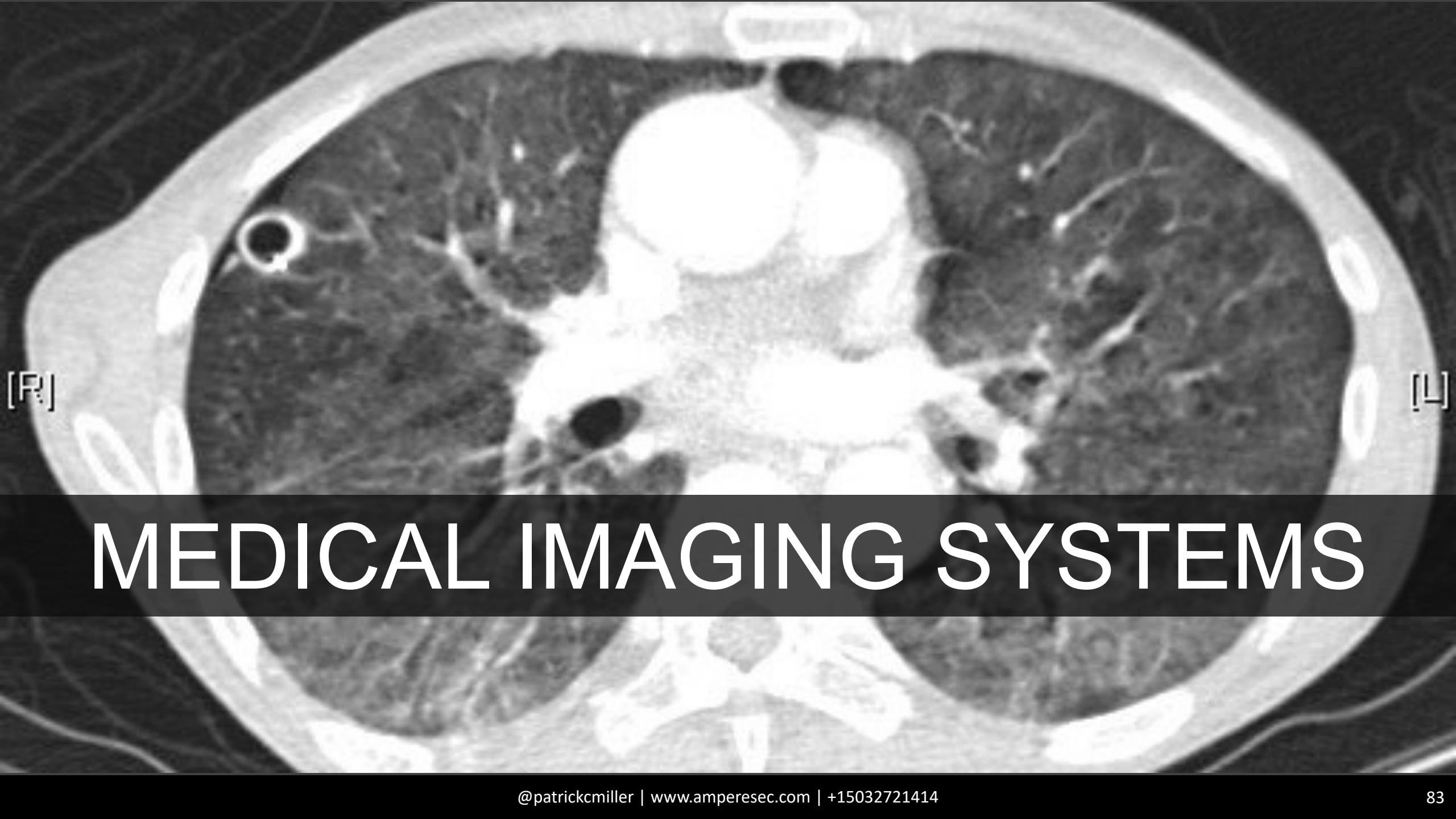
ASX AER EWN ewn.com.au

EWNAlert >

Text Message
Today 9:00 pm

EWN has been hacked. Your personal data is not safe. Trying to fix the security issues. Email support@ewn.com.au if you wish to unsubscribe. ewn.com.au ASX AER

EWN ALERTS



MEDICAL IMAGING SYSTEMS

A photograph of a hospital room with various medical devices. In the foreground, a white medical device with a green screen displays '042.0'. Below the screen are several buttons and a keypad. To the right, a patient bed is visible with a grey basin and a white device on it. In the background, there are more medical devices, including a monitor and a drip chamber. The scene is cluttered with wires and tubes.

MEDICAL DEVICES



HOSPITALS



BANKS

ATMs



A photograph of a worker in a steel mill. The worker is wearing a dark jacket and a hard hat, and is standing with their back to the camera, looking towards a large, glowing orange furnace. The scene is filled with bright light and sparks, creating a dramatic and industrial atmosphere. The text "STEEL MILL?" is overlaid in white on a dark horizontal band across the center of the image.

STEEL MILL?

A close-up photograph of an orange ABB industrial robot arm. The robot is positioned in a factory setting, with a yellow safety fence visible in the background. The robot's body is a vibrant orange color, and the letters "ABB" are printed in black on its side. A white warning label with a black silhouette of a person and a yellow triangle is attached to the robot's body. The text "INDUSTRIAL ROBOTS" is overlaid in large, white, sans-serif capital letters across the center of the image.

INDUSTRIAL ROBOTS

INDUSTRIAL SWITCHES





RELAYS

RTUs



SIEMENS

CPU319-3 PN/DP

BF 1
BF 2
BF 3

SF
DC5V
FRCE
RUN
STOP



RUN
STOP
MPRES

SIMATIC
S7-300

2

318-3EL00-0AB0

X13
314

4

X16
318
323-1BL00-0AA0

5

X17
319
322-1BL00-0AA0

6

X17
319
322-1BL00-0AA0

PLCs

Flow 2431 Lb/Hr
Flow 52.3 Mscfh

Inlet DP 2.6 H2O d

FLTR

19.5 Psid

PCD 138 Psig

60 %

T5 TURBINE
Average 1349 °F
Topping SP 1400
GV T5 SP ON 1350

STOPPING

GENERATOR
Power

GB

INTAKE

COMPRESSOR

COMBUSTOR

T5 Avg 1351 °F
TURBINE
Speed 100.0 %

EXH

HI

HMIS

Impc
Impc
Volts
Freq

% Max kW for T1 50 %
Real Power
kW SP
Voltage

Command 32 % Open
Position 2 %

CLOSED
BLEED VALVE

COOLER SP

UTILITY

GENERATOR

Power Factor .90
SELECTED
GEN KW SP

SYNC
Sync Act
Volts Ma
Freq Match
Phase Match

CLR ON
Speed 100 %

SP 125.0 °F
137.8 °F

139.5

IMP/EXP SP

SELECT

GEN KW SP

PUMP

Post 240 m 0 s

AC OFF

DC OFF

166.0
.8

Description	Date
REDACTED	

LUBE OIL TANK HTR OFF

HORN OFF
SILENCE

TEST CRANK
ON OFF

EN

ELECTRIC METERS

Trilliant
NETWORKS
NCZR101P
100 mW

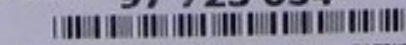
NSUC0056319
FCC: TMB-EM000018
IC: 3984A-EM000018 -172

FOCUS kWh
TYPE ALF FM 2S 2-200A 240V TA50
60 Hz Kh 7.2 1PH 3W AE-1356



MLT41811

FW 2.21 **97 725 654** MULT. X1



-937 **Landis+Gyr** PATENT PENDING
ASSEMBLED IN MEXICO



POWER INVERTERS

A large array of solar panels is shown in a field. The panels are blue with a grid of white lines, mounted on silver metal frames. The sky is blue with scattered white clouds. The text "SOLAR PANELS" is overlaid in white on a dark horizontal band across the middle of the image.

SOLAR PANELS



WIND TURBINES



GENERATION PLANTS



WATER DISTRIBUTION



WATER METERS





WASTEWATER TREATMENT



REFINERIES



SAFETY INSTRUMENTED SYSTEMS



GLOBAL TELCOS

MUNICIPAL GOVERNMENTS



Filter By:

States

All

Ransom Amount

All

Type of ransomware

All

STATE GOVERNMENTS

ATTACKS
266

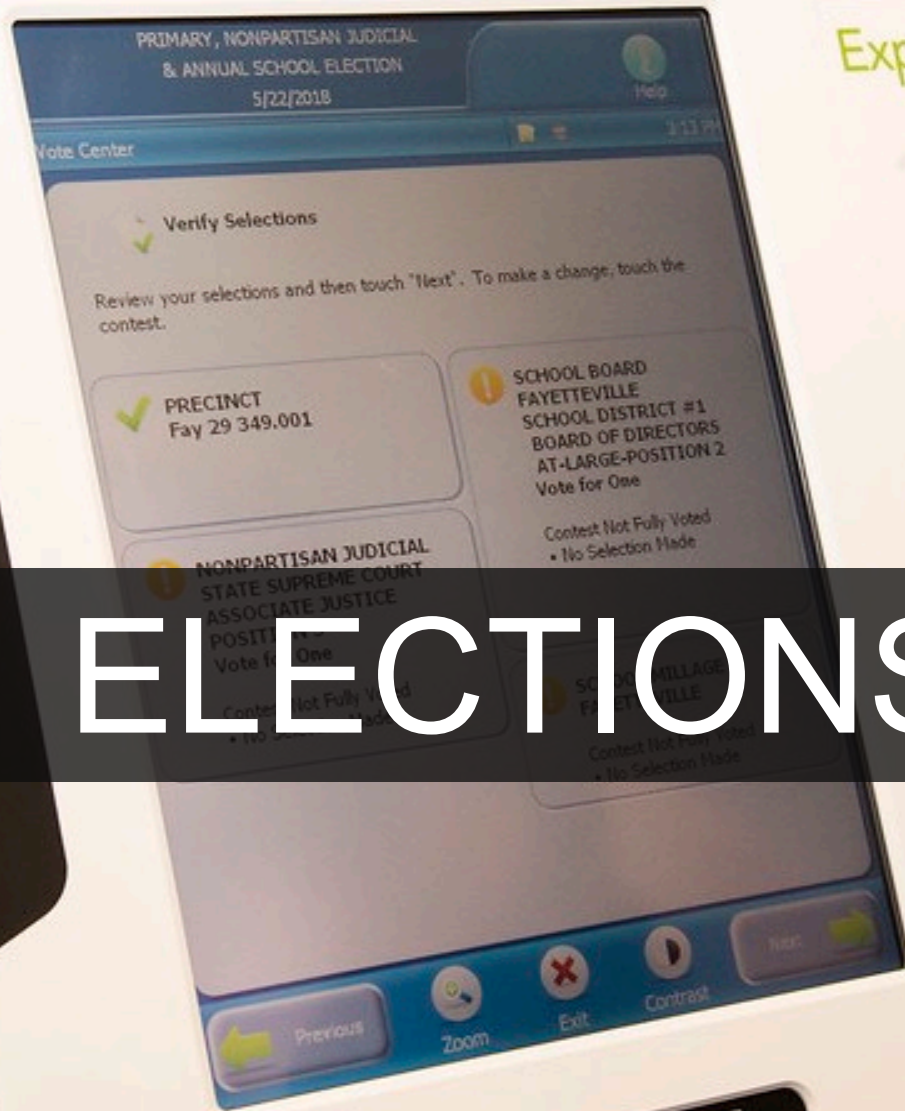
1/2013 - 12/2019

1/2013 6/2013 1/2014 6/2014 1/2015 6/2015 1/2016 6/2016 1/2017 6/2017 1/2018 6/2018 1/2019 6/2019 1/2020



FEDERAL GOVERNMENTS

ELECTIONS



ExpressVote



Examples

Capabilities

Limitations

"Explain quantum computing in simple terms" →

Remembers what user said earlier in the conversation

May occasionally generate incorrect information

"Got any creative ideas for a 10 year old's birthday?" →

Allows user to provide follow-up corrections

May occasionally produce harmful instructions or biased content

"How do I make an HTTP request in Javascript?" →

Trained to decline inappropriate requests

Limited knowledge of world and events after 2021

ARTIFICIAL INTELLIGENCE

Send a message...



ChatGPT Mar 23 Version. Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts.

REAL INTELLIGENCE

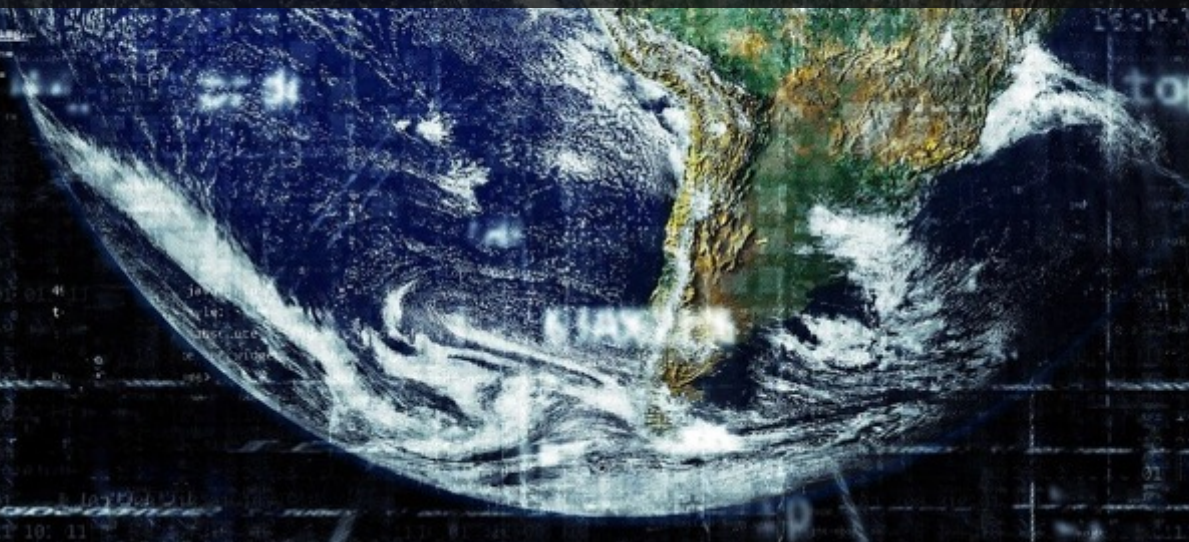




DEFENSE AGENCIES



ANYTHING & EVERYTHING





SO...

WHAT ARE WE
DOING ABOUT IT?





THIS IS
FINE

Network & Infrastructure Security

Advanced Threat Protection: Palo Alto Networks, Cisco Duo, Fortinet, Symantec, Sophos, etc.

NAC: Aruba, Cisco Duo, Fortinet, etc.

SDN: Cisco Duo, Fortinet, etc.

DDoS Protection: Cloudflare, Akamai, etc.

DNS Security: Cloudflare, Akamai, etc.

Network Firewall: Palo Alto Networks, Cisco Duo, Fortinet, etc.

Deception: Cisco Duo, Fortinet, etc.

Web Security

WAF & Application Security: Akamai, Cloudflare, Fortinet, etc.

Endpoint Security

Endpoint Prevention: McAfee, Symantec, Sophos, etc.

Endpoint Detection & Response: Palo Alto Networks, Cisco Duo, Fortinet, etc.

Application Security

WAF & Application Security: Akamai, Cloudflare, Fortinet, etc.

Application Security Testing: Veracode, Snyk, etc.

MSSP

Traditional MSSP: AT&T, Verizon, etc.

Advanced MSS & MDR: Aruba, Palo Alto Networks, Fortinet, etc.

Data Security

Encryption: McAfee, Symantec, etc.

DLP: McAfee, Symantec, etc.

Data Privacy: OneTrust, etc.

Data Centric Security: McAfee, Symantec, etc.

Mobile Security

Mobile Security: McAfee, Symantec, etc.

Risk & Compliance

Risk Assessment & Viability: Deloitte, etc.

Security Ratings: BitSight, etc.

Pen Testing & Breach Simulation: Securix, etc.

GRC: RSA, etc.

Security Awareness & Training: SANS, etc.

Identity & Access Management

Authentication: Okta, etc.

Privileged Management: CyberArk, etc.

Identity Governance: SailPoint, etc.

Consumer Identity: Okta, etc.

Security Ops & Incident Response

SIEM: Splunk, etc.

Security Incident Response: Palo Alto Networks, etc.

Threat Intelligence

Threat Intelligence: Palo Alto Networks, etc.

IoT

IoT Devices: Cisco Duo, etc.

Automotive: Ford, etc.

Connected Home: Samsung, etc.

Messaging Security

Messaging Security: McAfee, Symantec, etc.

Digital Risk Management

Digital Risk Management: Palo Alto Networks, etc.

Blockchain

Blockchain: Chain, etc.

Fraud & Transaction Security

Fraud & Transaction Security: McAfee, Symantec, etc.

Cloud Security

Infrastructure: Palo Alto Networks, etc.

Container: Aqua, etc.

CASB: Palo Alto Networks, etc.











VULN DISCLOSURE
HACKBACK
CLOUD
JURISDICTION
BALKANIZATION

SECTION 230
PRIVACY/SECURITY
AI / LLM / ML
QUANTUM
INSURANCE

YES. IT'S HARD.
IF IT WERE EASY, IT
WOULD BE DONE
ALREADY

WE NEED YOU TO
INFORM, INNOVATE,
DISRUPT,
COLLABORATE,
CONTRIBUTE



IN TRADE BY COURTESY
OF THE

SANTA FE, NEW MEXICO, TUESDAY, DECEMBER 9, 1933

PRICE TWO CENTS

Utah Deals Death Blow to Prohibition

ARMED CITIZENS PATROL HIGHWAYS TO BLOCK VOTE MANY ARID SPOTS LEFT IN NATION AFTER LONG DROUGHT

SHOTS ARE EXCHANGED AT BRIDGE

ASK LOAN FOR STATE FAIR

MOVIE GOVERNORS:

SEEK DEATH FOR WICKMAN

Two of States Ratifying Today Will Remain Dry After Repeal; Nation Entering on New Period of Experimentation; End of Last Fight Is Armistice Rather Than Peace; No Mexico Doing Little to Grant Repeal To Evening; Expect Sales to Start Tomorrow; No Permits Asked in Santa Fe; Hotels Plan to Start Serving This Week.

Prize Fight for Getting \$200,000 to Carry Out Governor's Idea



Colorado Authorities Drop Investigation into Death of Grand Wife

... ..

... ..

... ..

... ..

Efforts of Senate, Governor and Party Officials Barred by Voters

POLICE TRY TO SET UP POLLS

... ..

The passage of the bill... ..

The passage of the proposed... ..

... ..

Income Tax Revision







GO.

-  @PATRICKCMILLER
-  LINKEDIN.COM/IN/MILLERPATRICKC
-  PMILLER@AMPERESEC.COM
-  WWW.AMPERESEC.COM
-  +1.503.272.1414

