Consumer Technology Association™

StoryTech™

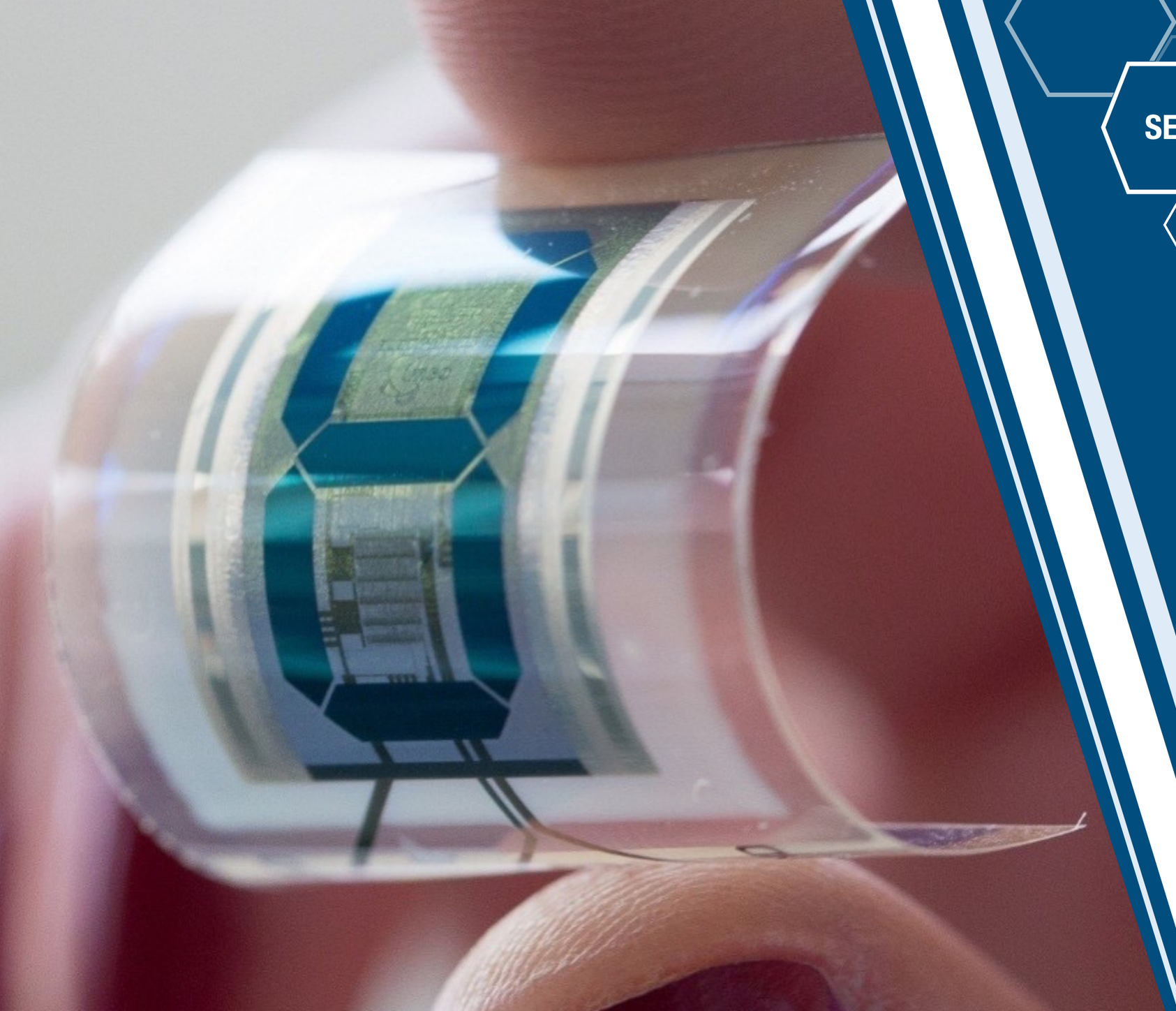
IMPACT! VIP TOURS

2016 International CES

January 6 - 9

TREND

IoT HITS ADOLESCENCE



SELF-HEALING / SELF-ROUTING DEVICES

- IoT devices are beginning to fix themselves — noting when routine servicing is required, ordering the necessary parts, and even making the repairs.
- Companies like OnHub, Eero, Luma and Starry are coming at it from the other side: offering Wi-Fi routers focused on auto-managing all the connected devices in your home.

OPEN DEVICES + DDoS ATTACKS

- On October 21, an army of millions of connected smart devices were hacked and used to temporarily shut down mega-sites like Twitter, Airbnb, Reddit, Netflix, SoundCloud, Spotify, and Shopify.

- 2017 digital security efforts will focus on IoT safety protocols and rolling out more biometric vs. password-based access tools.

TREND

IoT HITS ADOLESCENCE

- **Tappy Technologies** Sands, Hall G - 51507
  (contactless payment platform for wearable accessories

- **Bitdefender BOX Sands, Halls A-D - 40550** BOX protects all devices connected to the Internet, not just your computer or laptop

- **Occly Sands, Hall G - 50911**
  personal security device uses 4 cameras plus panic button

- **Xenoma Sands, Halls A-D - 43939**
  e-skin apparel tracks a user's motion and respiration using stretchable wires and sensors.

- **Samsung—LVCC Central Hall 15006**
  Connected home appliances

TREND
BLURRED LINES
Adjust
Remove
Hide Menu

VR + AR: NUMBERS GET BIG

- With the widespread release of several AR-capable headsets and phones, 2017 is expected to be the big breakout year for Augmented Reality.
- Worldwide, AR and VR revenues are projected to top $120 billion by 2020.

I SPY WITH MY 2 LITTLE EYES…

- In an attempt to find a new business model for itself, Snapchat (now just Snap) is giving its own version of Google Glass a shot with Spectacles: a funky set of sunnies with a built-in camera.

- The biggest question this type of device poses is a thorny one that Google couldn't solve: social acceptability / stigma. So while they may be cool to look at, mainstream pickup will be another question entirely…

A RELIABLE AR DELIVERY MODEL

- In late 2016, Lenovo released its Phab 2 Pro Android phone, featuring 3 cameras for true 3D rendering and Google’s Tango AR technology.
- Looking back at why QR codes stuck in Korea but not in the States, it’s largely because the tech was built directly into the handset — which is probably why Apple has been hinting at its own AR offering all year…

TREND

BLURRED LINES

- **Canoe**

- **ODG LVCC South Hall 2 26236**
  Next Gen AR headsets

- **Tobii LVCC South Hall 2 26602**
  AR eyetracking UI software

- **Samba TV LVCC Central Hall - 18230**
  Agnostic TV recognizes everything comes on the glass

TREND
WORKING THE CROWD

WE'LL DO IT LIVE!

- 2017 will unquestionably be coming to you live: YouTube Live grew by 80% this year, and Twitter's Periscope users have now created over 100 million broadcasts — with 2 million users coming online everyday to stream 350,000 hours of video every 24 hours.

- Not to be outdone, Facebook has paid a reported $50 million-plus to content creators, and is tweaking its algorithms to prioritize live streams.

E-SPORTS MATURE

- It’s not just the platforms raking in the dough (i.e., Amazon buying Twitch for nearly $1B); the top gamers in the biz can raise six figures based on their live streams alone.

- Once again, Facebook wants in, and in a big way — working with Blizzard (World of Warcraft publisher) to build a social login and live stream games.

WISDOM OF THE CROWD

- 2016 saw the establishment of “regulation crowdfunding” (A.K.A., Title III of the JOBS Act), which allows any American small business to raise up to $1 million on crowdfunding platforms.

- The World Bank estimates that crowdfunding will hit the $90 billion mark by 2020, and could reach those levels as early as 2017 if growth continues at the current clip.

TREND

WORKING THE CROWD

- **Indiegogo Sands Lower 51001**
  Major crowdfunding company
- **Mastercard**- LVCC South Hall 1 21437
  Fintech and blockchain technology
- **Poloroid LVCC, Central Hall - 16024**
  Polaroid Cube+Stream Live Streaming
- **GoPro LVCC Central Hall - 14141**
  Crowd sourced media content.

TREND

THE UPS + DOWNS OF AUTONOMY

AUTONOMOUS: NOT WHAT, BUT HOW

- According to Elon Musk, we're less than two years away from autonomous driving, and Navigant Research predicts there will be 4.5 million fully autonomous vehicles in production by 2025.

- The biggest issue now is not tech, but morality: if something or somebody is going to be hit, how does the car choose which…? Groups at MIT and elsewhere are working through these scenarios now.

DRONES: NOT IF, BUT WHEN

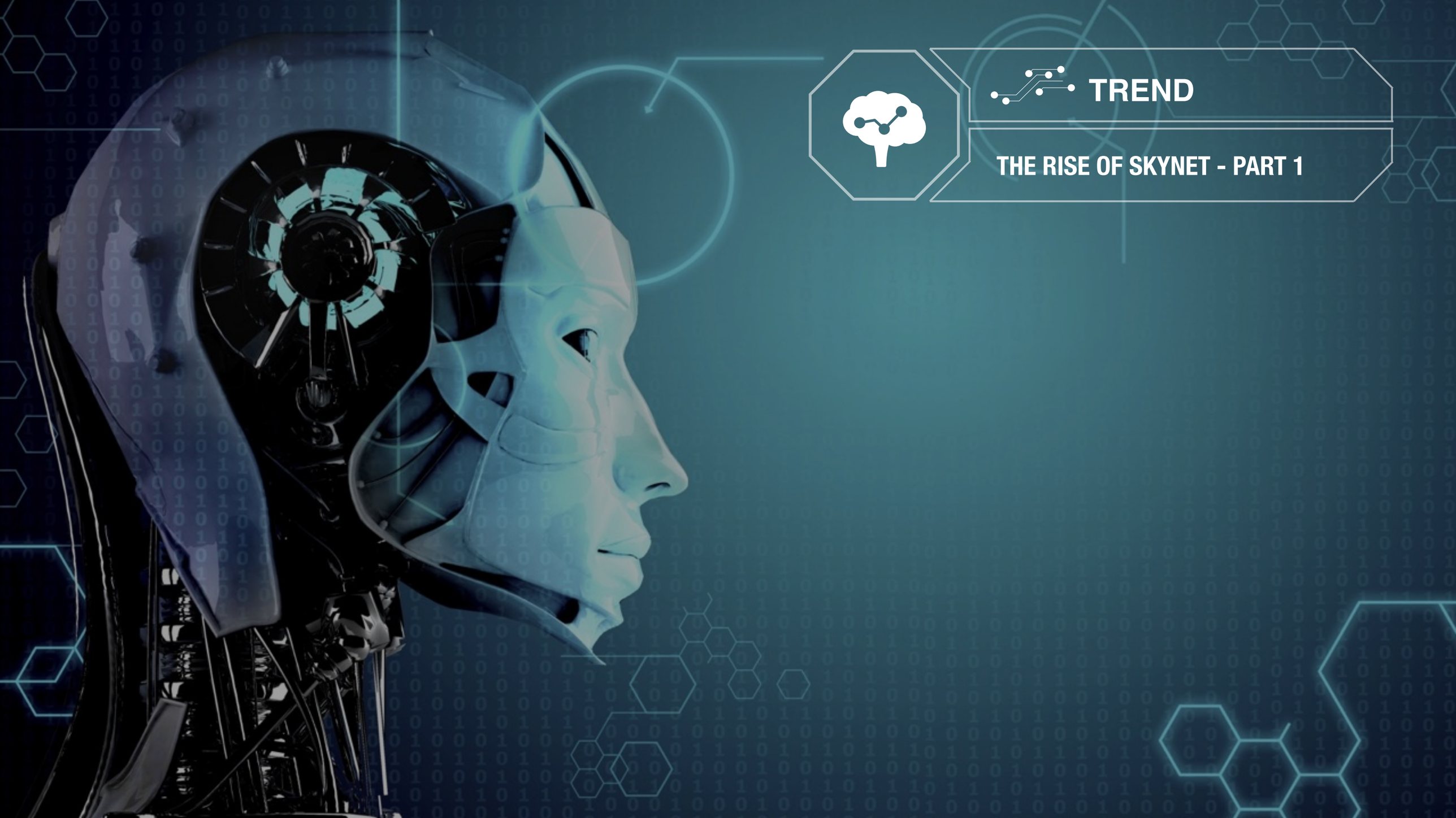
- By some estimates, Amazon spends over $4 per package on shipping. Couple that with the push toward same-day delivery, and the company's interest in drones is clearly more than just PR.

- The FAA is most likely to clear drone deliveries first in mid-density suburban areas — where the infrastructure for one- or two-hour package delivery service is less pronounced than in city centers.

TREND

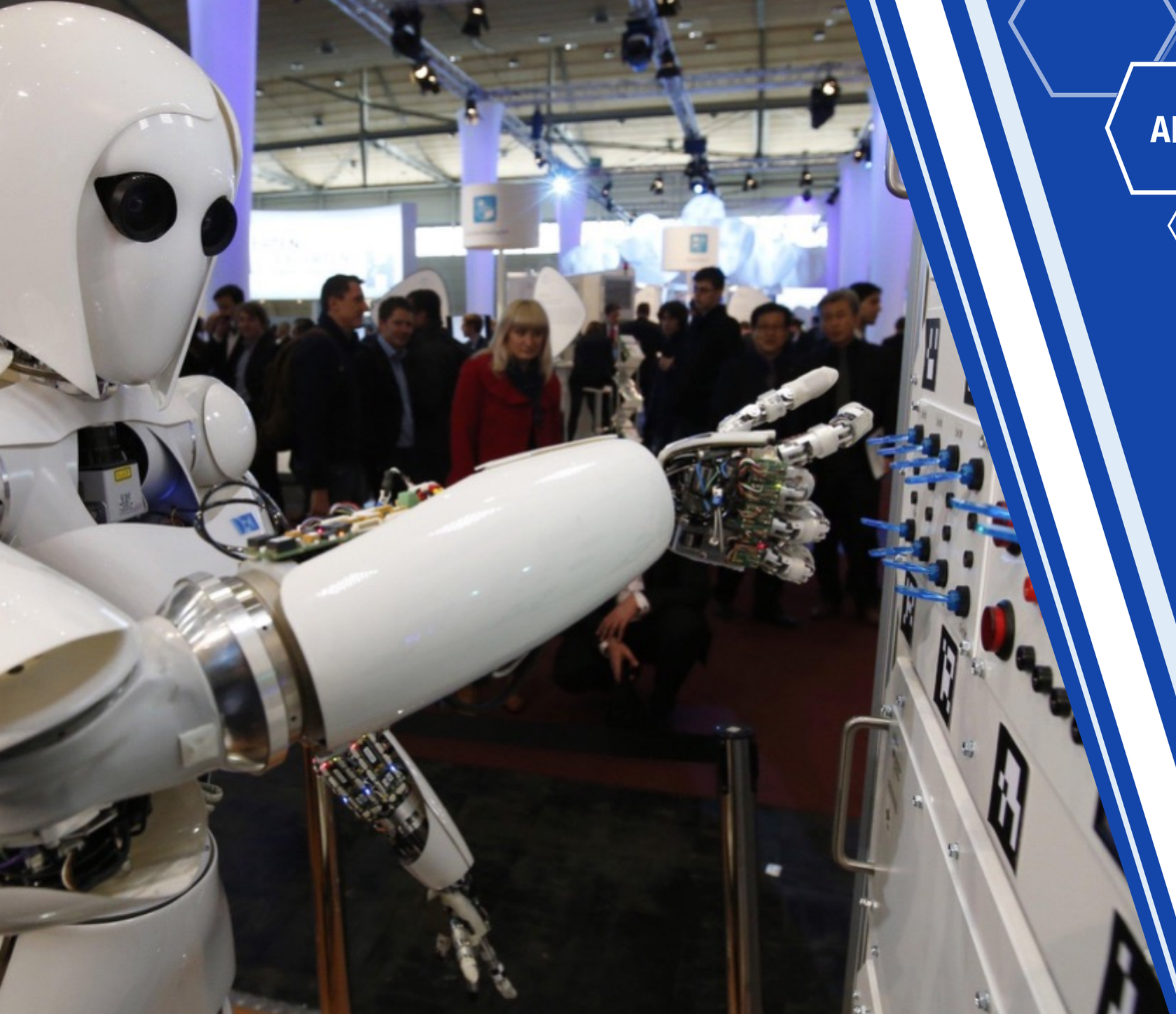
THE UPS + DOWNS OF AUTONOMY

- **Ford—LVCC North 5002**
  Autonomous Vehicles
- **Pioneer LVCC North 3902**
  LIDAR scanning heads up display
- **Toyota LVCC North 7019**
  AISHA car ties to driver's emotions
- **Faraday Futures LVCC North 5616**
  Next gen autonomous vehicles.
- **E-hang—LVCC South Hall 2 25208**
  Self driving drones.



TREND

THE RISE OF SKYNET - PART 1



AI: FUN (AND A LITTLE SCARY) FACTS

- AI bots will power 85% of customer service interactions by 2020
- Amazon, Alphabet, IBM, and Microsoft will host 60% of AI platforms
- 6 billion connected "things" will be actively requesting support from AI platforms by 2018
- Research from Oxford University revealed that nearly one third of pro-Trump and one fifth of pro-Clinton tweets were produced by automated accounts

ROSIE COMES ALIVE

- Juniper Research says one in 10 American households will own a consumer robot by 2020, and IDC projects that the world will spend $135.4 billion on robotics and related services in 2019.

- Why? We can thank the growing library of open source software, increasingly powerful + energy-efficient processors, as well as cheap sensors, which are all making new levels of autonomy and interaction possible.

BUILDING A BETTER YOU

- 3D-printers are now able to create human tissue: a critical stepping stone in replicating 3D printed human organs for transplantation.

- Other recent breakthrough developments in robotic human assistance include prosthetic limbs that enable touch sensations, robotic arms that allow people to easily lift hundreds of pounds, and even wearable jet packs (that don’t explode or burn off your legs in flight).

TREND

THE RISE OF SKYNET - PART 1

- **onTracks—Sands, Hall G - 51656**
  2 bracelet system for tracking directions.

- **Wineven Sands, Hall G - 51657**
  Order a sports coach at the touch of a button.

- **Creative Tech LVCC South Hall 3 35250**
  Wrist worn and smart drone air purifiers

- **Denso LVCC LVCC North 5431**
  Self powered vacuum cleaner shoes.

- **Ecovacs Robotics Sands, Halls A-D - 42351**
  Homemaking robots.

StoryTech™
ENJOY YOUR TOUR!
CES
Consumer Technology Association