A woman with dark hair, wearing a white long-sleeved top, stands with her arms crossed in front of a white BMW car. The car has colorful geometric patterns on its side. In the background, a BMW logo is visible on a wall.

**DR. STELLA CLARKE.**  
ENGINEER, OPEN INNOVATION  
BMW GROUP.



**2022**



**BMW iX Flow**  
Las Vegas, CES 2022

**2023**



**BMW i Vision Dee featuring E Ink**  
Las Vegas, CES 2023

**2024**



**BMW i5 Flow NOSTOKANA**  
Los Angeles, FRIEZE LA 2024





STRAAT Museum, Amsterdam





Post



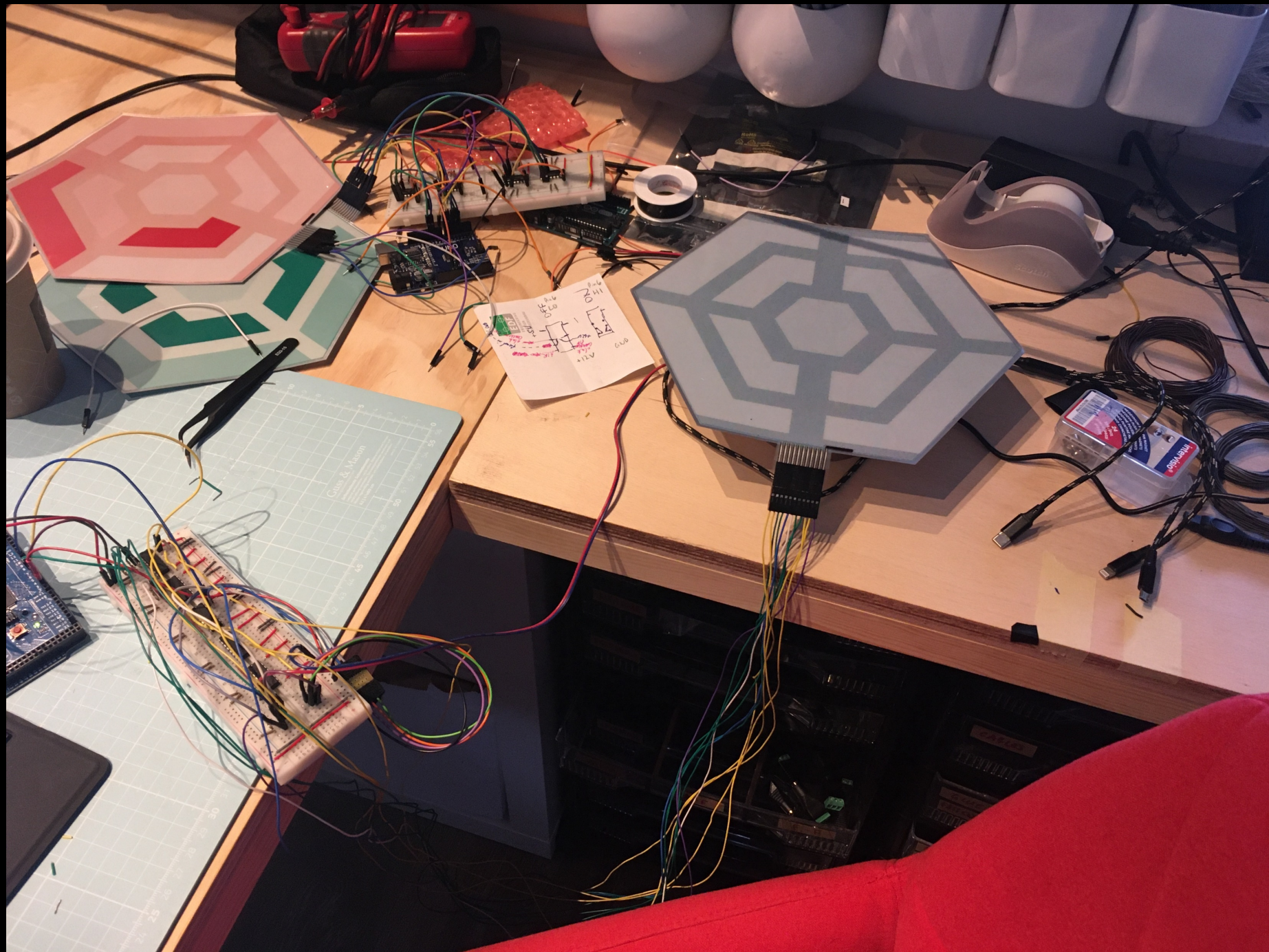














**"Being willing is not enough;  
we must do."**

-Leonardo da Vinci (~1500}  
Artist, engineer, scientist.





March 2020





[very embarrassing video pitch]







**"Fortune favours the bold."**

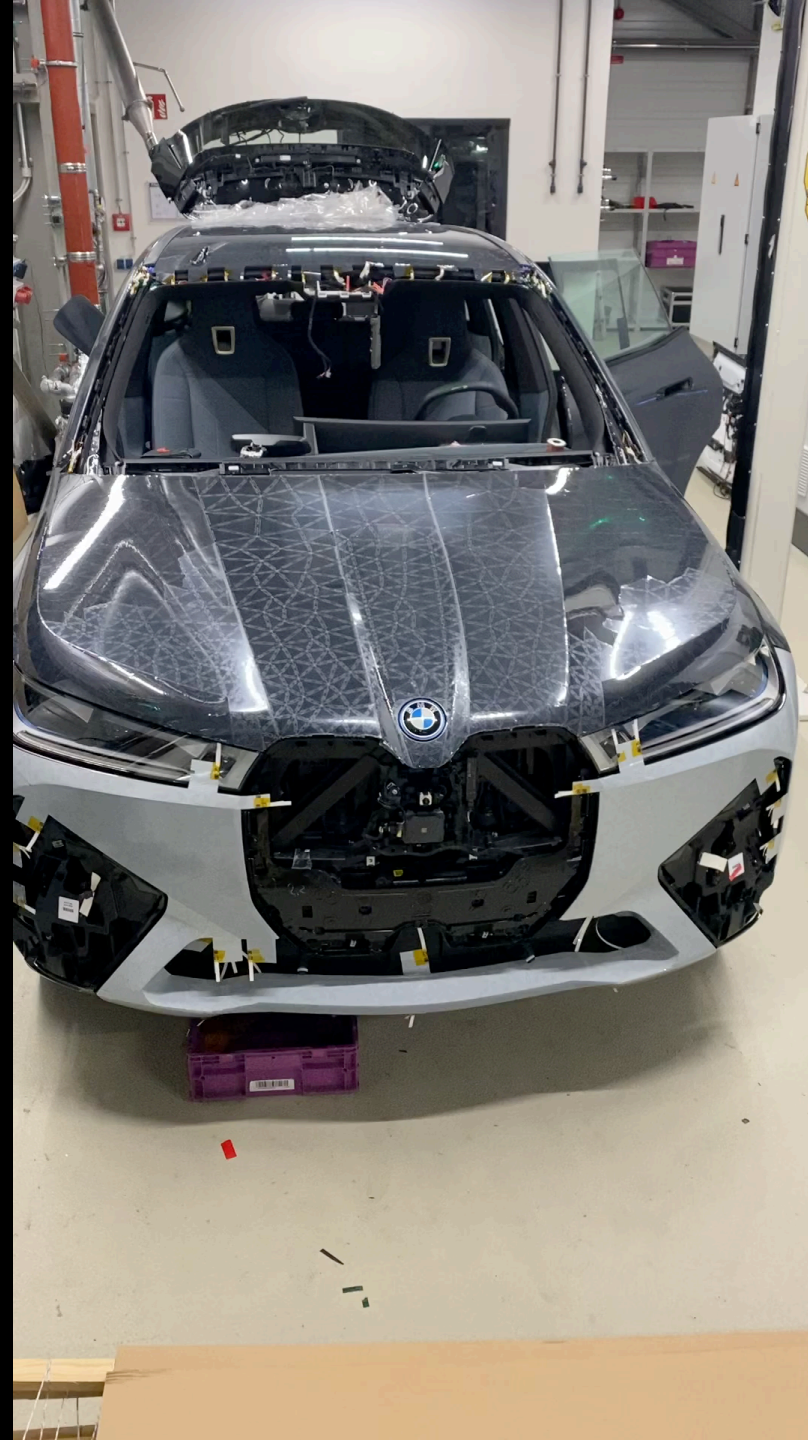
—Virgil, The Aeneid (19 BC)

Poet



























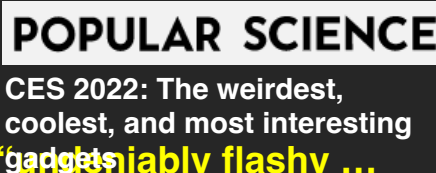





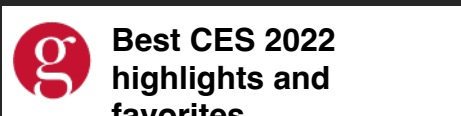



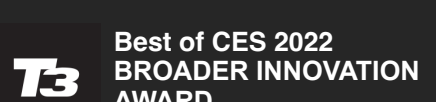




COVID-19  
ARE MANDATORY



We care about your  
and the safety of others,  
are that you wear a mask  
our BMW hospitality.  
in advance for your  
plan. All surfaces will be  
before and after any  
and hand sanitizer is  
during the event.



 <p><b>BEST CONCEPT</b></p> <p><b>THE VERGE</b></p> <p>“It looked so good ...”</p>	 <p><b>Best of CES 2022</b></p> <p>“... one of the most incredible technology demos ...”</p>	 <p><b>Hottest of CES 2022</b></p> <p>“Sign us up, we're sold. ”</p>	 <p><b>TIME</b> 10 Best Gadgets of CES 2022</p> <p>“... looks right out of a James Bond movie ...”</p>	 <p><b>engadget</b> <b>BEST OF CES</b> WILDCARD AWARD <b>2022</b></p> <p>“well, we didn't expect that”</p>
 <p><b>BBC</b> SCIENCE FOCUS</p> <p>Most exciting innovations</p> <p>“... one of the biggest talking points ... with good reason!”</p>	 <p><b>VentureBeat</b> The best of CES 2022</p> <p>“It's the stuff of science fiction”</p>	 <p><b>PC</b> PCMAG.COM</p> <p>Coolest Car Tech at CES 2022</p> <p>“... coolest automotive tech ... from BMW”</p>	 <p><b>GIZMODO</b> The Best, Coolest, and Weirdest Gadgets at CES 2022</p> <p>“radical new application of E Ink's technology”</p>	 <p><b>c net</b></p> <p>CES 2022: Most impressive tech</p> <p>“the most eye popping pick of the show ”</p>
 <p><b>BEST OF CES 2022</b> GEAR PATROL</p> <p>GEAR PATROL</p> <p>“BMW's big news for CES 2022”</p>	 <p><b>digitaltrends</b> Best Concepts</p> <p>“seemingly magical transition”</p>	 <p><b>POPULAR SCIENCE</b> CES 2022: The weirdest, coolest, and most interesting gadgets</p> <p>“... seemingly flashy ... could have practical efficiency implications”</p>	 <p><b>TE TechCrunch</b> The best (and weirdest) future car tech at CES 2022</p> <p>“Who can forget BMW's color-changing car?”</p>	 <p><b>THE WALL STREET JOURNAL.</b> BEST OF CES 2022</p> <p>“There are also practical benefits”</p>
 <p><b>SLASH GEAR</b> BEST DESIGN</p> <p>“while it's striking, there are practical reasons, too”</p>	 <p>Robb Report <b>BEST OF CES</b> 2022</p> <p>“Amazing. ”</p>	 <p><b>Pocket-lint</b> Best of CES 2022 Awards</p> <p>“one of the most funky things we've seen at a CES in years”</p>	 <p><b>g</b> Best CES 2022 highlights and favorites</p> <p>“Innovation ... hard to top BMW's impressive ... technology”</p>	 <p><b>Tech Info In</b> Top 5 Innovative Products</p> <p>“Definitely top spot goes to BMW iX Flow ... How Cool ... How unexpected”</p>
 <p><b>Forbes</b> WHEELS</p> <p>Coolest Cars from CES 2022</p> <p>“The effect is dramatic”</p>	 <p><b>BEST OF CES</b> <b>BGR</b> 2022</p> <p>“incredibly cool”</p>	 <p><b>T3</b> Best of CES 2022 BROADER INNOVATION AWARD</p> <p>“BMW sent shockwaves through social media”</p>	 <p><b>ANDROID AUTHORITY</b> Best cars and concepts</p> <p>“... benefits like evading police passively cooling the car off by turning it white ”</p>	 <p><b>IXORA</b> BEST OF CES 2022</p> <p>“just blows everyone away”</p> <p>+ many more!</p>



DOUBLE ISSUE

NOV. 21 / NOV. 28, 2022

# TIME

## THE BEST INVENTIONS of 2022

200 EXTRAORDINARY  
INNOVATIONS  
CHANGING OUR LIVES

featuring

A PROSTHETIC HAND WITH  
AMAZING PRECISION

A COLOR-CHANGING CAR

THE BEST TELESCOPE EVER

ACTUALLY DELICIOUS  
FAKE STEAK

LIFE-MAPPING ARTIFICIAL  
INTELLIGENCE

DIAMONDS MADE FROM AIR

A CANCER-FINDING SUPERTEST

... and 193 more



time.com





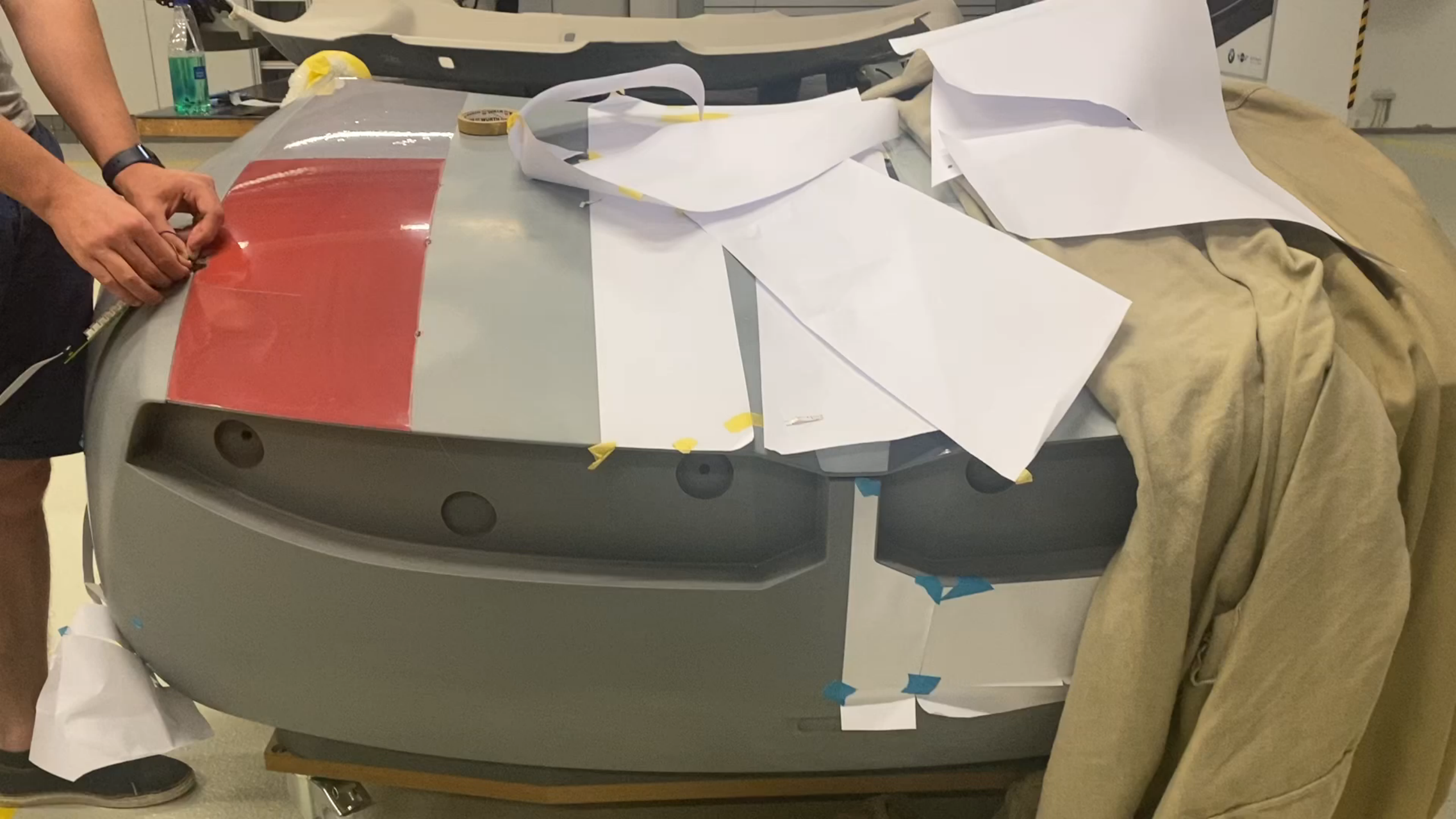
**"Genius is one percent inspiration  
and ninety-nine percent perspiration."**

– Thomas Edison (1903}  
Inventor



















**"Alone we can do so little; together we can do so much."**

– Helen Keller (1880–1968)

American author, political activist, and lecturer  
who overcame the tremendous challenges of being both blind and deaf

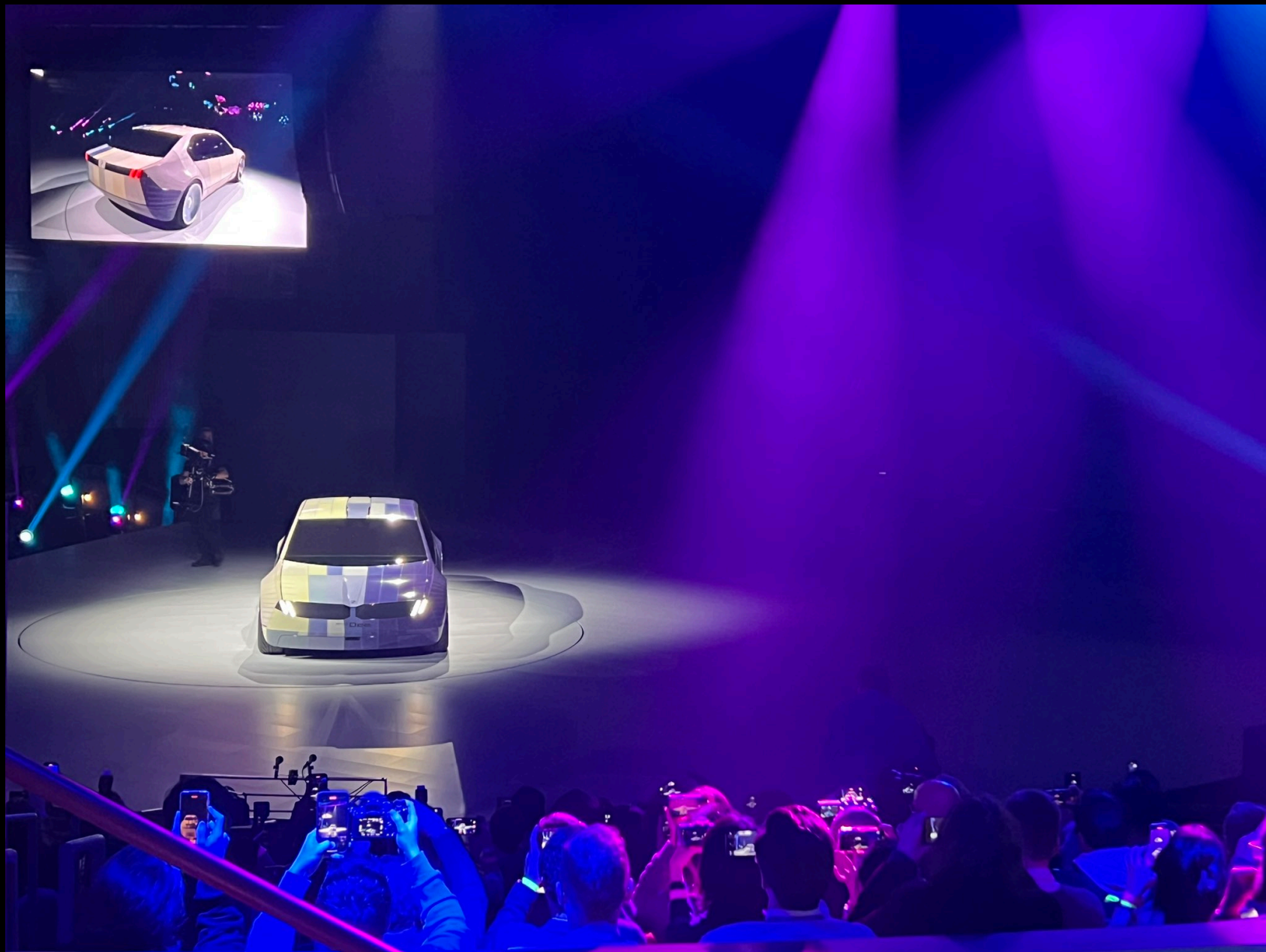


















# THE VERGE

## Best of CES 2023

Best evolution of a concept: [BMW i Vision Dee](#)

CES wouldn't be CES without gimmicks and out-there concepts — and the BMW i Vision Dee is the perfect example. This concept car has made major tech strides since it was announced at CES 2022, adding a full-color version of the E Ink technology that allows it to turn into 32 available colors.

# WIRED

## The Best Cars, Rides, and Auto Tech of CES 2023

This is a concept car with an e-ink exterior that allows drivers to actually change the color of the car. You can choose between 32 different shades for 240 different segments of the car's exterior, creating all sorts of unique patterns depending on your taste.



Sometimes you just want a yellow car. Credit: BMW

# GIZMODO

## The Best, Coolest, and Weirdest Gadgets at CES 2023



BMW stole the show at CES 2022 with its [BMW iX Flow concept car](#) that was wrapped in flexible black and white [electronic ink panels](#) allowing the vehicle to change color and even display ever-changing patterns and custom design elements on its exterior. For 2023, BMW has followed up with the i Vision Dee concept, with "Dee" being short for "Digital Emotional Experience."

# Forbes

Best Of CES 2023:  
From Color Changing Cars To Self-Driving Strollers



The color-changing concept car received an audible gasp during BMW's cinematic keynote ... the car is one dreams are made of ...

# SLASH GEAR

## Best of CES 2023 [Overall Winner]



Sometimes, even the biggest CES news can seemingly vanish into the memory hole by the time next year's show rolls around. That's partly why BMW's refined E Ink car wrap technology is so impressive, a commitment by the German automaker to not only show its color-changing skin is technically feasible, but that it can be refined toward a commercial release.

In 2022, the BMW iX Flow concept was an SUV that could flicker between black and white like an electric cuttlefish. For CES 2023, the BMW i Vision Dee adds color e-paper to the equation, a rainbow skin that animates around the automaker's vision of an electric performance car for driving enthusiasts. It's a refinement that truly feels like the best part of the Consumer Electronics Show: a proof of concept that goes back to the labs and only gets better, and that's what makes it SlashGear's Best of CES 2023.0



## The best car tech of CES 2023: Color-changing paint



## The 20 best tech products of CES 2023



BMW has also revealed its incredible full-color E Ink technology.

## reviewgeek BEST CONCEPT



## Pocketlint

The BMW i Vision Dee concept follows on from the iX Flow shown last year. That particular model had an E Ink exterior that could show a custom "paint job" but only in monochrome. The i Vision Dee ups the ante by adopting a full colour version of the technology.









**"Don't give up, because  
the moment when things seem hardest  
is often when success is just around the corner."**

– Harriet Beecher Stowe (1852)  
American author and abolitionist











**"Frauen fühlen sich nicht so sehr verdient von Lob und Erfolg wie Männer.**

**Wir müssen unsere Leistungen selbst anerkennen."**

"Women don't feel as deserving of praise and success as men do. We need to own our accomplishments."

– Reshma Saujani (2016)

CEO Girls Who Code



Q&A.

