




**NEXT LEVEL
SELF-TRACKING**

SMART WEARABLES

Precision in vital data measurement: why important?

ambiotex
understand your heartbeat

ambiotex GmbH – Berlin-Schönefeld/ Germany
Thomas Claussen – CFO -

A blurred photograph of people walking in a modern hallway with a tiled floor and white walls. The image is dark and serves as a background for the text.

Quantified-self, Self-Tracking, Monitoring are Mega-Trends in sports, health and corporate life

Challenges



Problem

They measure distance [...] but mostly fantasy values. Many fitness trackers are usually far off

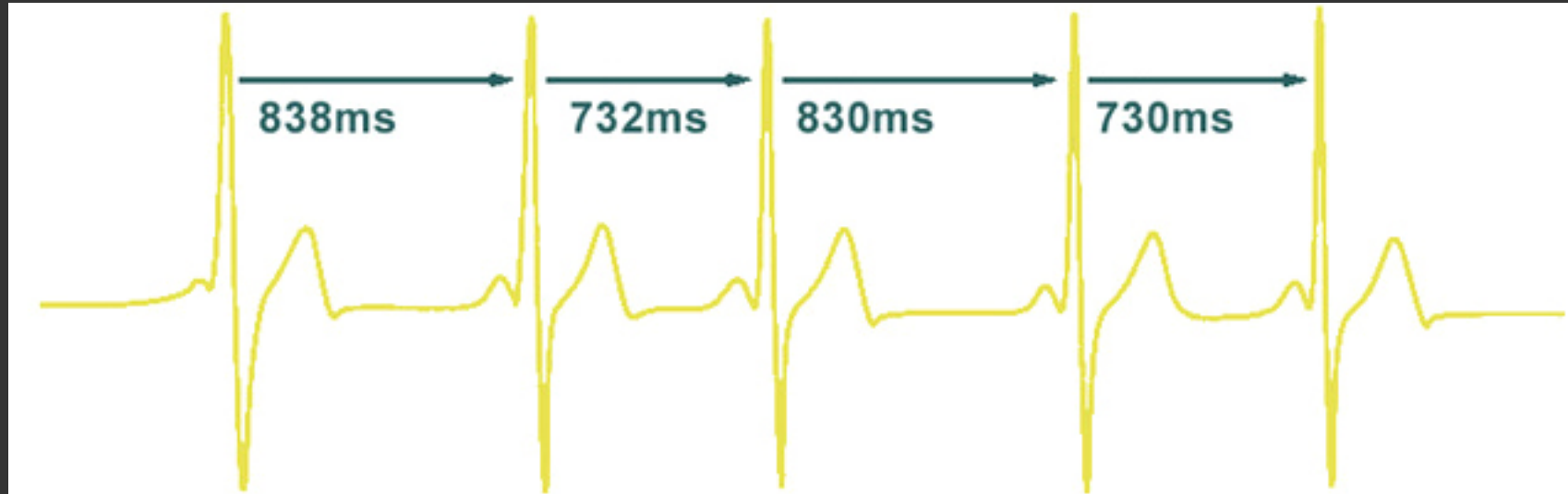
Fitness wristbands are inaccurate. This may be annoying for the track, but for the pulse it's alarming. [...] In the extreme, the bracelet [...] called a maximum pulse of 104 - instead of 181

inaccurate data
simple formulas



German Product Test Foundation

Problem



- ▶ Handling of artefacts in the ECG signal is difficult
- ▶ HRV (heart rate variability) requires at least over 90% correct heart rate
 - => most smart watches and chest belts are not sufficient

Ambiotex Solution



Why can we do what we do

- ▶ Heart Rate monitoring (ECG*) with medical grade precision
- ▶ Unique algorithm for detecting and cleaning-up artifacts
- ▶ No loss of data

Features/Use Cases

- ▶ Base-Line Stress Test
- ▶ Realtime stress monitoring (HRV*)
- ▶ Respiration monitoring
- ▶ Indoor-/outdoor localization
- ▶ Emergency alert/Dead-Man
- ▶ Individual Anaerobic Threshold (IAT)

USPs

- ▶ Scientifically proven
- ▶ GDPR compliant
- ▶ Data analytics
- ▶ Long-time recordings
- ▶ Various form factors
- ▶ Customizable / white label

*ECG: Electro Cardiogram/ HRV: Heart-Rate Variability

USE CASES SAFETY

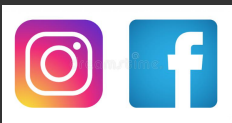
- ▶ Prevention of workplace accidents of blue collar workers (Energy)
- ▶ Marathon preparation through performance test and run simulation (Top Sport)
- ▶ Health prevention and stress management of blue and white-collar workers (Chemical)
- ▶ Improved training plan through daily basic stress test (Marathon)
- ▶ Stress Measurement of air traffic controllers (Airline)
- ▶ Performance testing for fire fighters (Energy)
- ▶ Strain level in 3-shift-operations and test of new products (Automotive)

Sales Pipeline

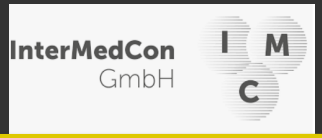
Safety



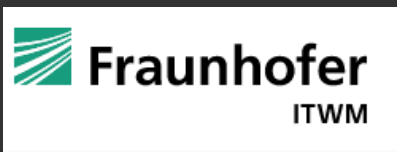
Sport



Health



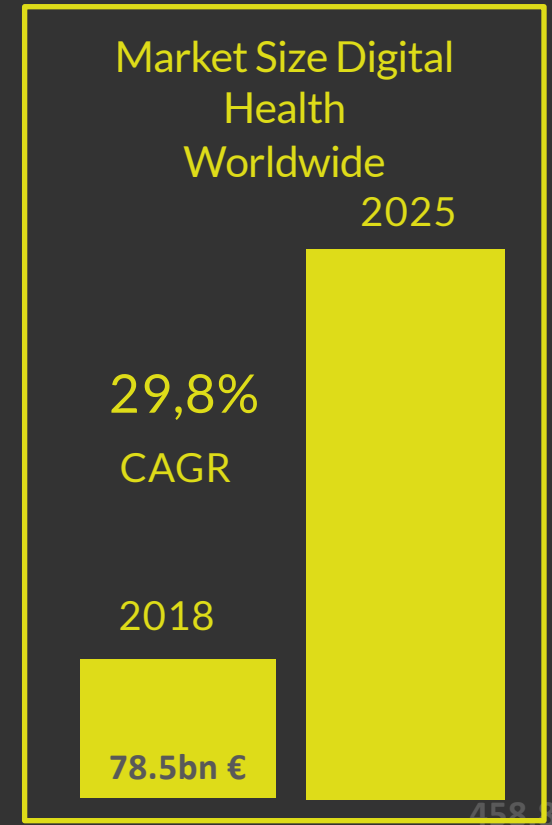
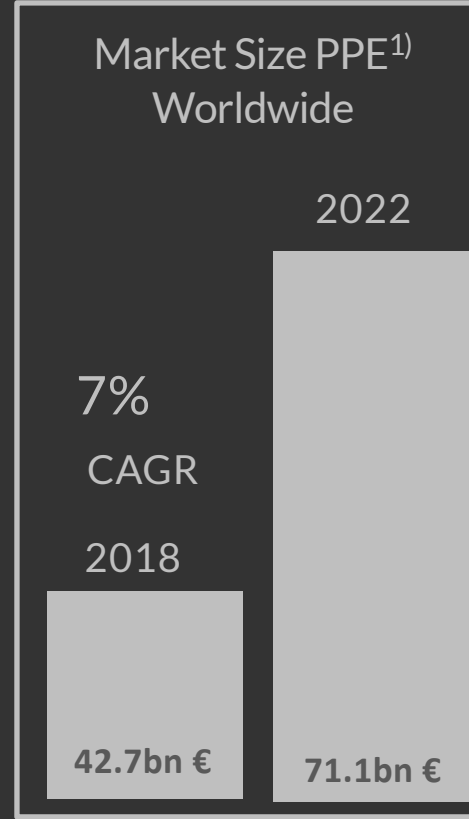
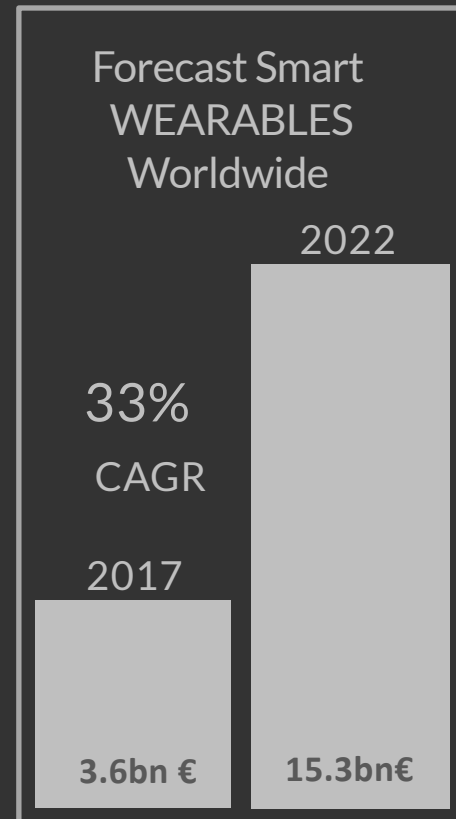
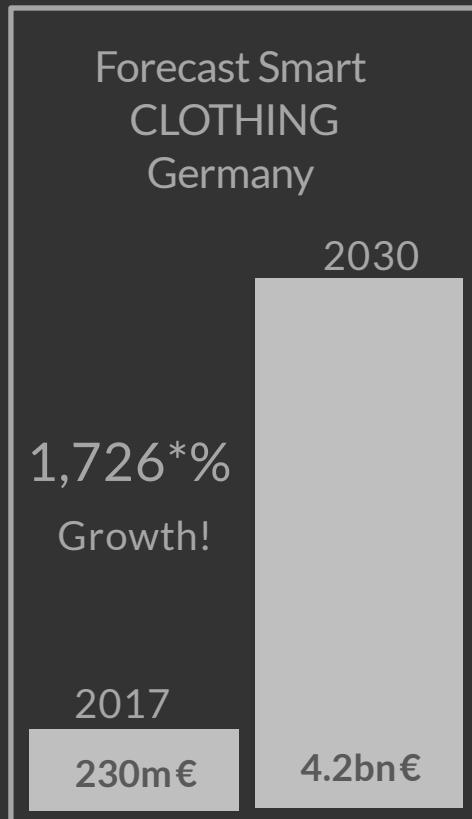
Research



HIGH GROWTH MARKETS

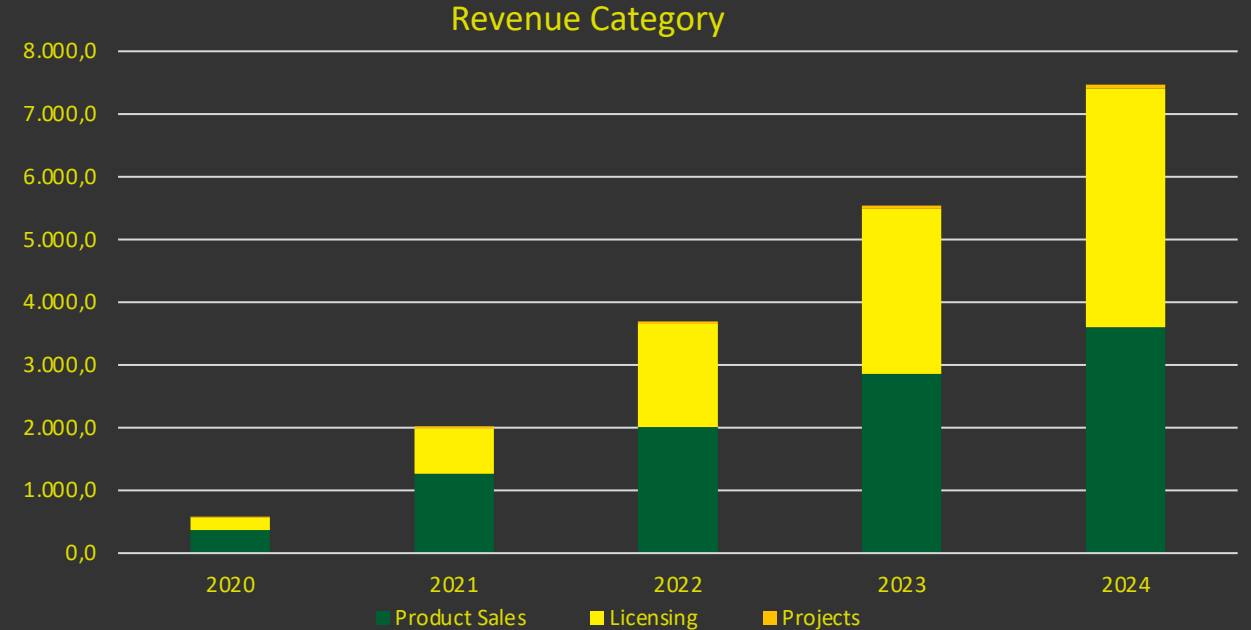
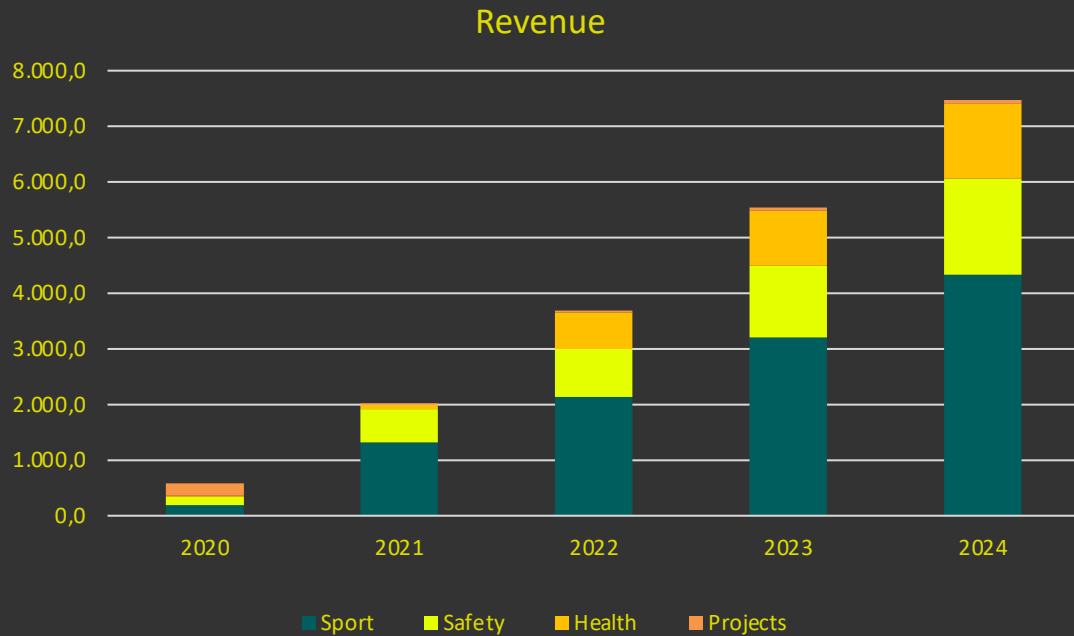
Driven by digital transformation and AI

STRATEGIC FOCUS



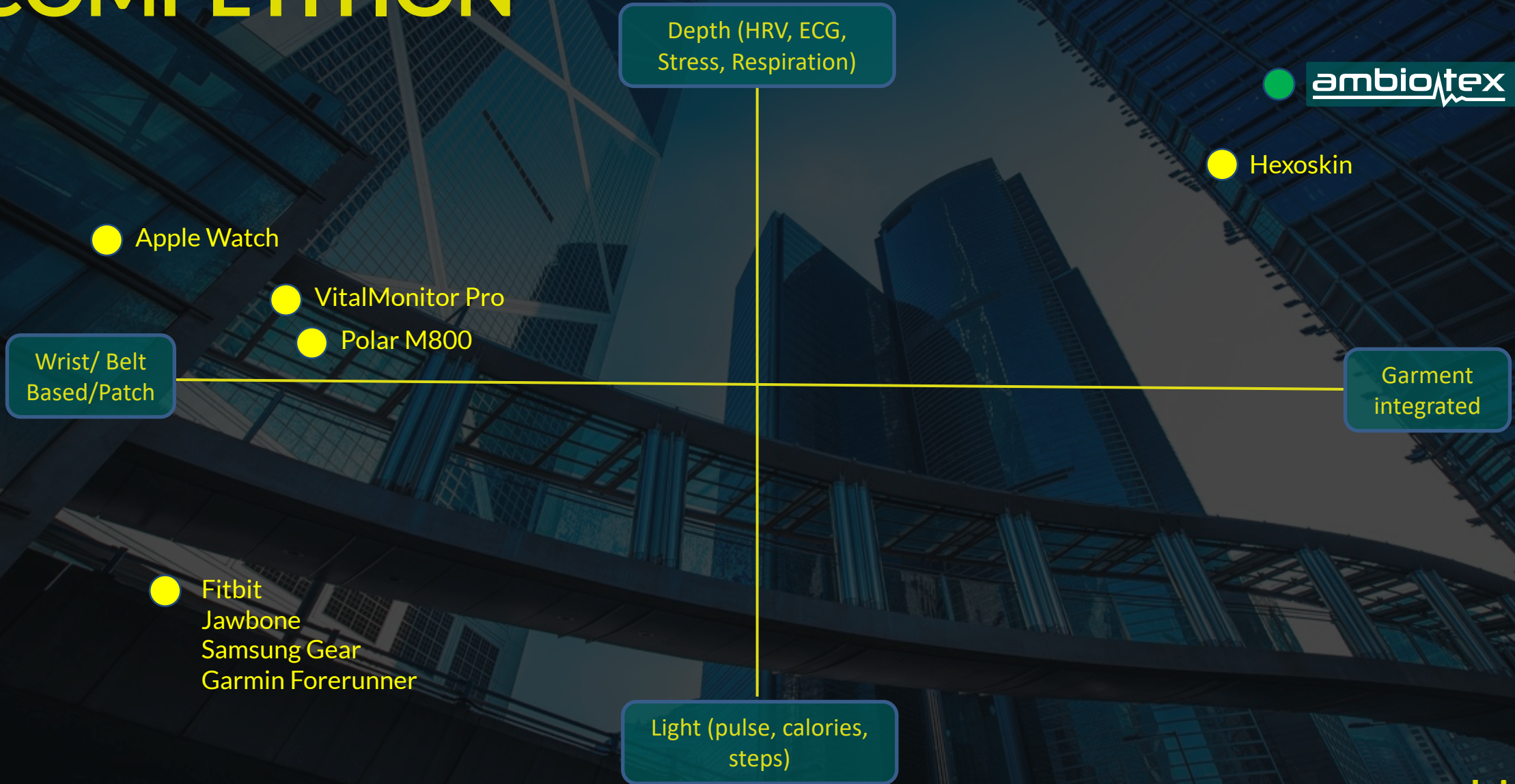
1) PPE – Personal Protective Equipment

GROWTH



Main drivers for Growth:
Licensing and geographical expansion (USA as of Q4/2020)

COMPETITION



TEAM



Christian Seidl

CEO

*Sales and Marketing
Professional with broad
experience in IT/Telco,
Digitalization*



Thomas Claussen

CFO and Co-Founder

*Former Accenture Partner
with sound expertise in IT-
infrastructure*



Robert Nagy

Hardware- and Firmware
Development

*Electrical engineer with +5 years
experience from GE Healthcare*



Marco Lepple

Data Protection Officer/
Software Development

Expert in iOS App development



Emil Gabert

Backend- and Software-
Development

Main focus Android App development



Dr. Jürgen Löschinger

Scientific Advisor

Signal processing expert

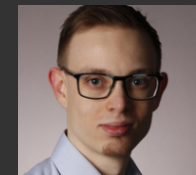
*Electrical engineer and
Neurobiologist with +15 years
experience in wearables*



Dr. Maximilian Weitzel

Data Scientist/AI-Developer

*Profound Machine learning
expertise*



Sebastian Kordus

Junior Software developer

Flutter and media design expert

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