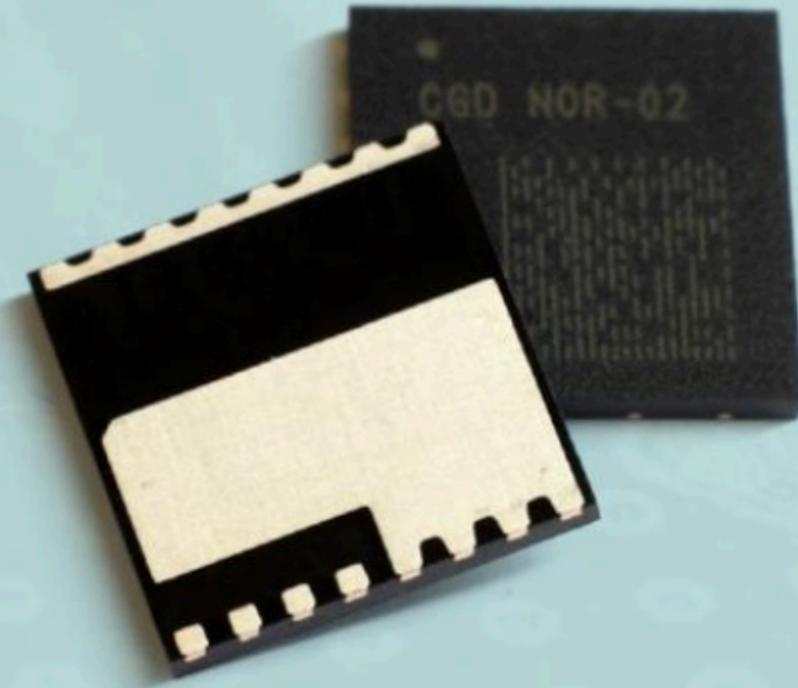


Shaping the Future of Power Electronics

By delivering the Most Efficient
Easy-to-use transistor





Dr. Giorgia Longobardi Founder and CEO

- 11 years experience in Gallium Nitride Power devices.
- Product-oriented research project manager with top semiconductor companies: NXP (2010-2013), Infineon (2014-2017), Vishay (2014-2017).
- Leader of the GaN Power devices team at the Engineering Department of University of Cambridge.
- Inventor of 12 patent applications.



Prof. Florin Udrea Founder and CTO

- Professor of Power semiconductor devices at University of Cambridge (Si, SiC, GaN, Diamond).
- Inventor of more than 150 patent applications.
- Consultant for: Toyota, Denso, NXP, Infineon, Vishay, On Semi, ABB.
- Founder of CamSemi (Si power ICs) sold to Power Integration.
- Founder of Cambridge CCS (Sensors) sold to AMS.
- Founder of Camutronix (Si power devices).



Zahid Ansari VP of Operations

- VP of Operations, Director of Product Engineering and Acting VP of Business Development at CamSemi.
- Responsible for enabling CamSemi's supply chain to deliver over 500,000 IC's per day and over 1 billion IC's in total.
- 14 years of experience in technical and operations roles in Power Electronics.



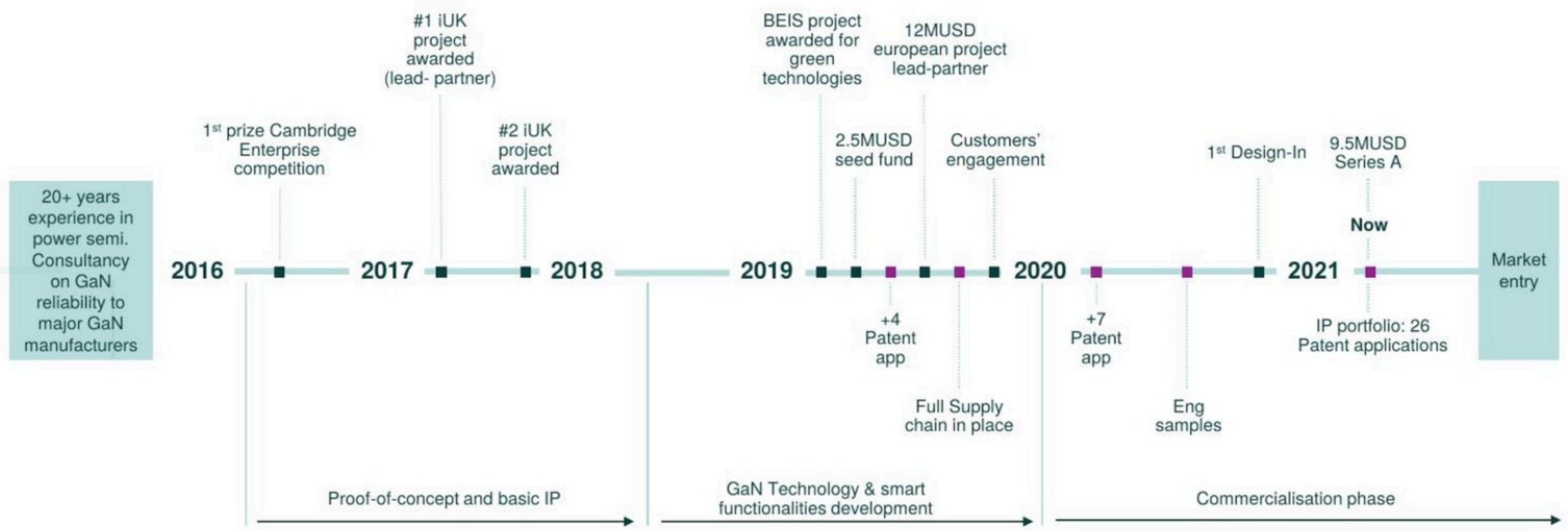
Andrea Bricconi VP of Business development

- 20+ years experience in power semiconductors industry.
- Led product engineering, product development and marketing groups in International Rectifier and Vishay.
- Co-started and managed the GaN program at Infineon with focus on business development for consumer, industrial and automotive markets.
- Focus on customers and on bringing new technologies to the market.

CGD timeline and milestones



Extremely successful in securing public funds and committed to overdeliver on our milestones



20+ years experience in power semi. Consultancy on GaN reliability to major GaN manufacturers

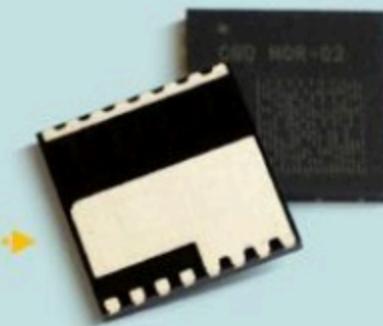
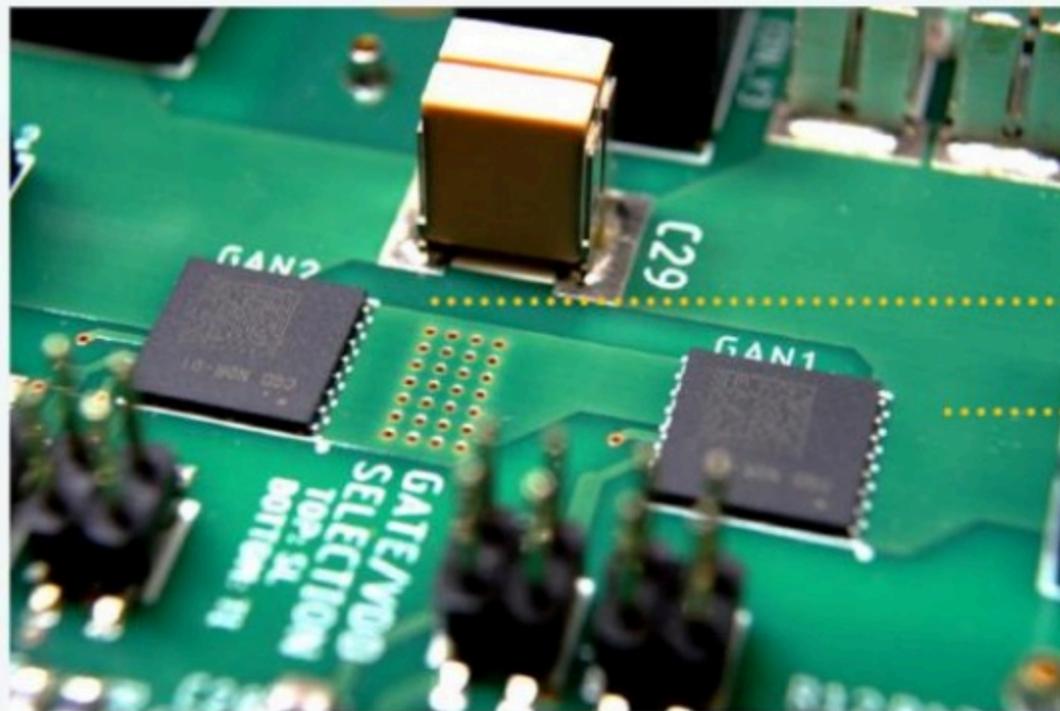
Market entry

Power devices at the heart

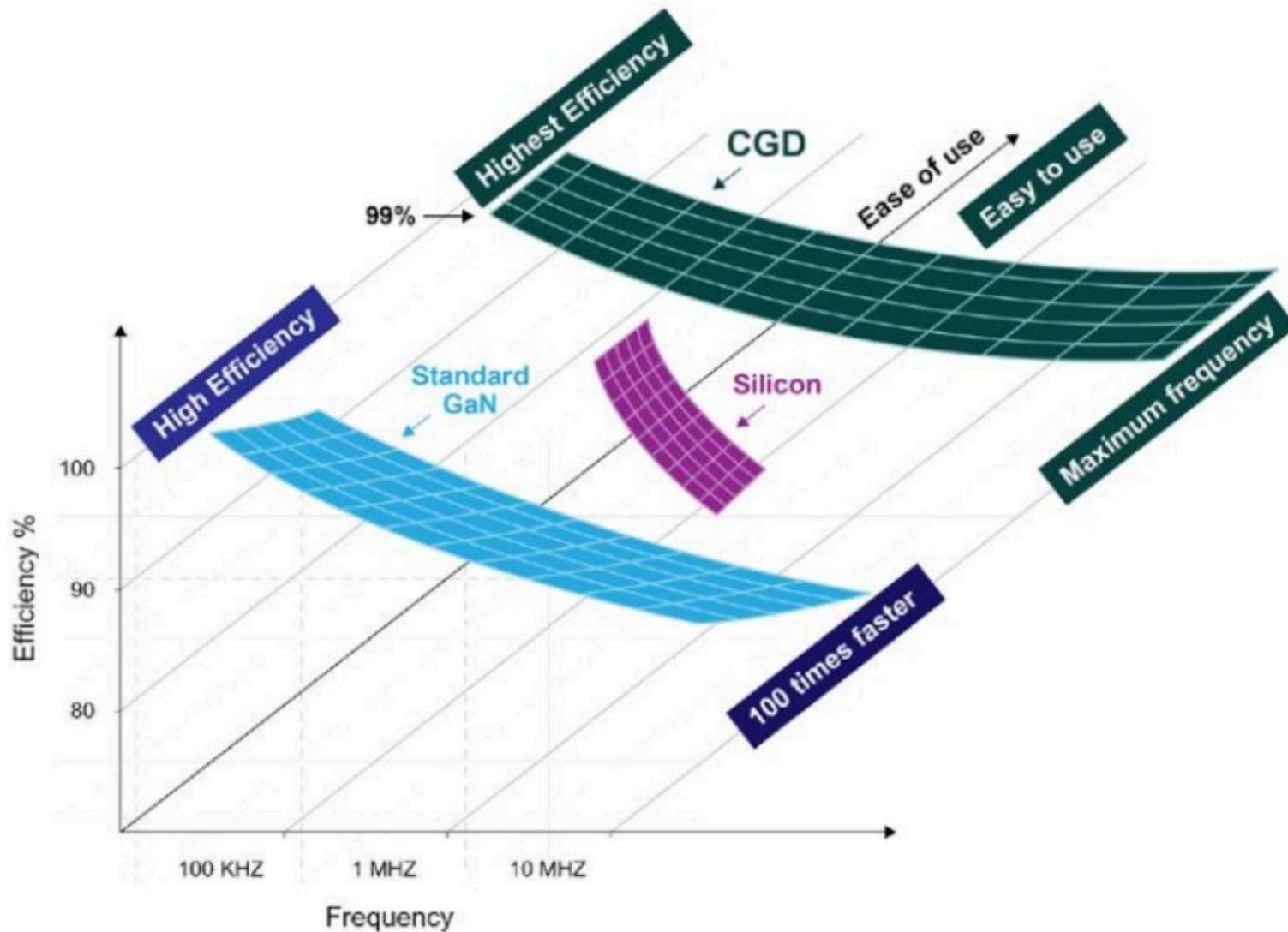


>80% of the world's electricity passes through a Power Electronics circuit...

...and is controlled by Power Devices



What if...CGD?



CGD technology: The best of **silicon** with the performance of **GaN**

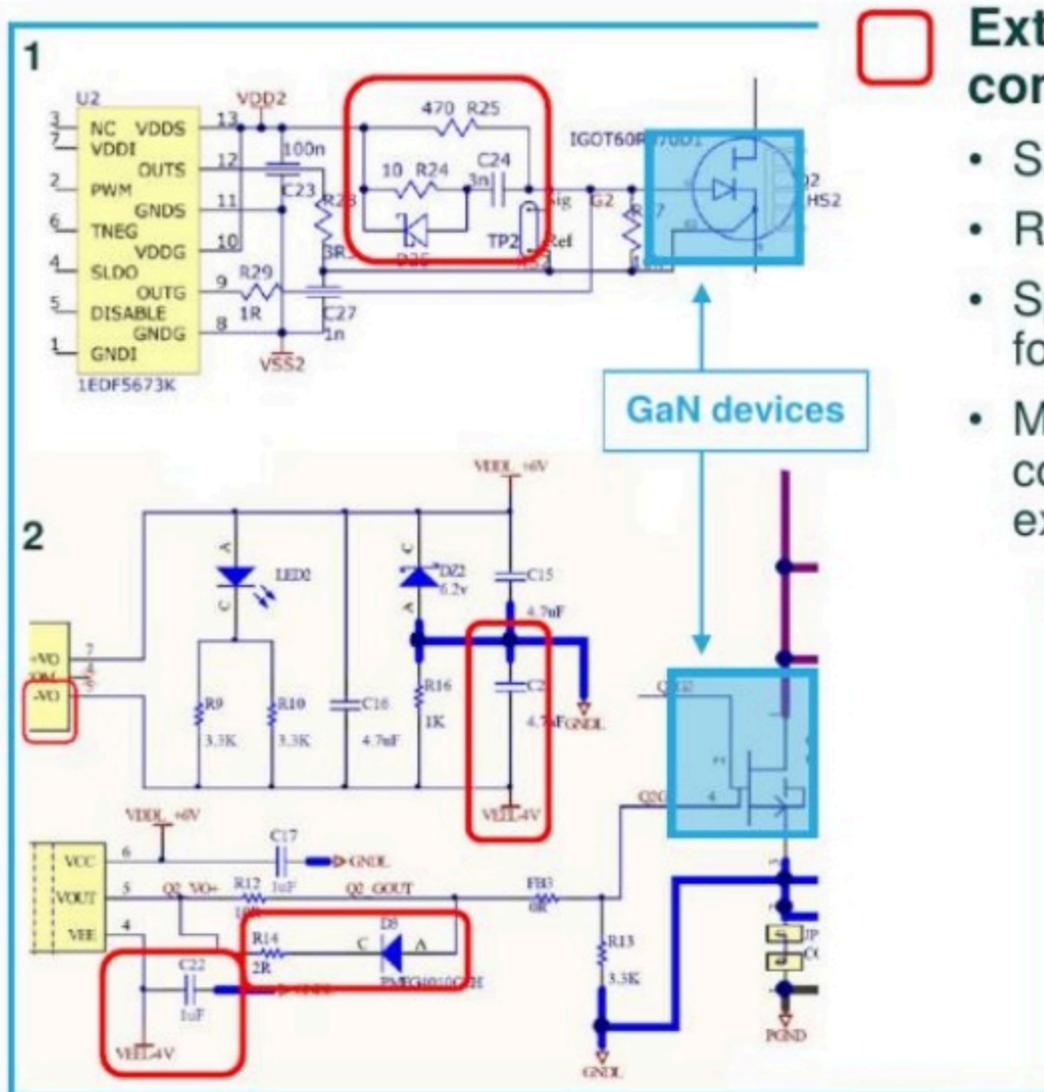
- ✓ Reliable
- ✓ Safe
- ✓ Freedom of design
- ✓ Not as hot, more reliable, no cooling components
- ✓ Hundreds of TWh per year saved
- ✓ Billions of Energy bills saved
- ✓ Millions of tons of CO₂ saved
- ✓ Smaller, more compact circuit
- ✓ More power for the same volume
- ✓ Maximum Efficiency

CGD device: a self-protected chip, easy to be interfaced



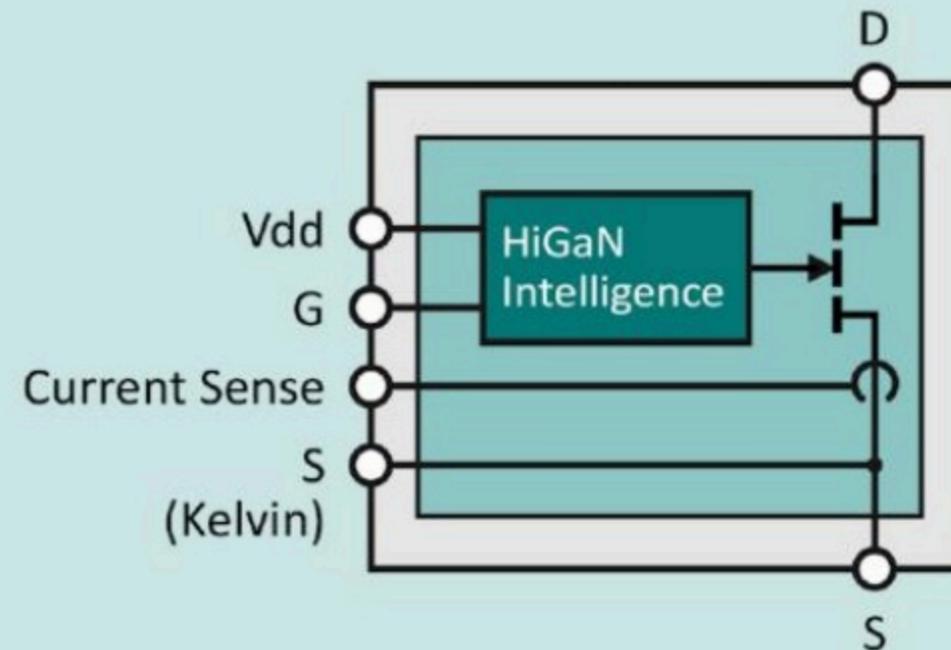
Examples from competition

Additional devices needed to make GaN operating



- Extra components for:**
- Safety
 - Reliability
 - Specific gate driver for correct functioning
 - Maximum efficiency compromised by extra components

Cambridge GaN Devices No extra components are needed

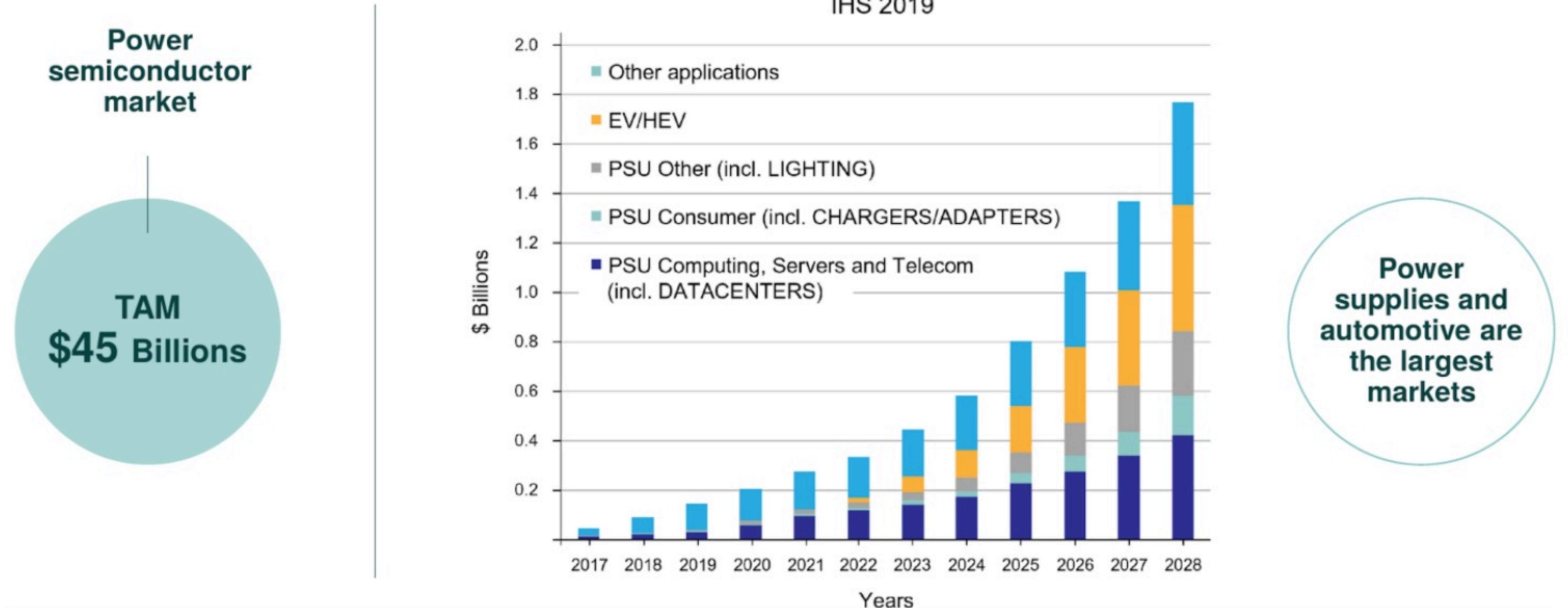


HiGaN intelligence = CGD on-chip integrated IC solution remove the needs for extra components

Market opportunity



CGD addresses the fast growing GaN power devices market predicted to reach over \$1bn in 2026



The markets we operate in



Consumer electronics: Power supplies



Reduced weight
More efficient

Industrial: LED drivers and power supplies



Volume reduction
More efficient

Data centres: Power supplies



OPEX reduction by 10% or more
CAPEX reduction up to 10%

Automotive, electric vehicles: On-Board-Chargers (OBC)



Faster charging
50% smaller OBCs
and DCDC converters

WHY NOW?

A compact and
green solution

Hi-tech horticulture for
national supply chain.

More and more connected
Huge demand for
audio/video streaming
and online services

Towards a green world
Electrifications
of cars is happening

GaNNext: an example of international cooperation



CGD is leading the European funded project aimed at developing GaN-based modules for low and high power applications

GaNNext
13 partners
3 countries
12.5 million \$



advico
Si IC



Besi

Besi (NL)
Packaging Technology



CSA Catapult (UK)
Application testing



TU Eindhoven (NL)
Power Electronics



Fraunhofer IMS
(DE) Si IC



Maccon (DE)
Motor Drive



Infineon
Technologies (DE)
Gate Driver



Lyra Electronics (UK)
On-Board Charger



Neways
Technologies (NL)
PV inverter



Signify (NL)
LED driver



Sumida (DE)
Magnetic components

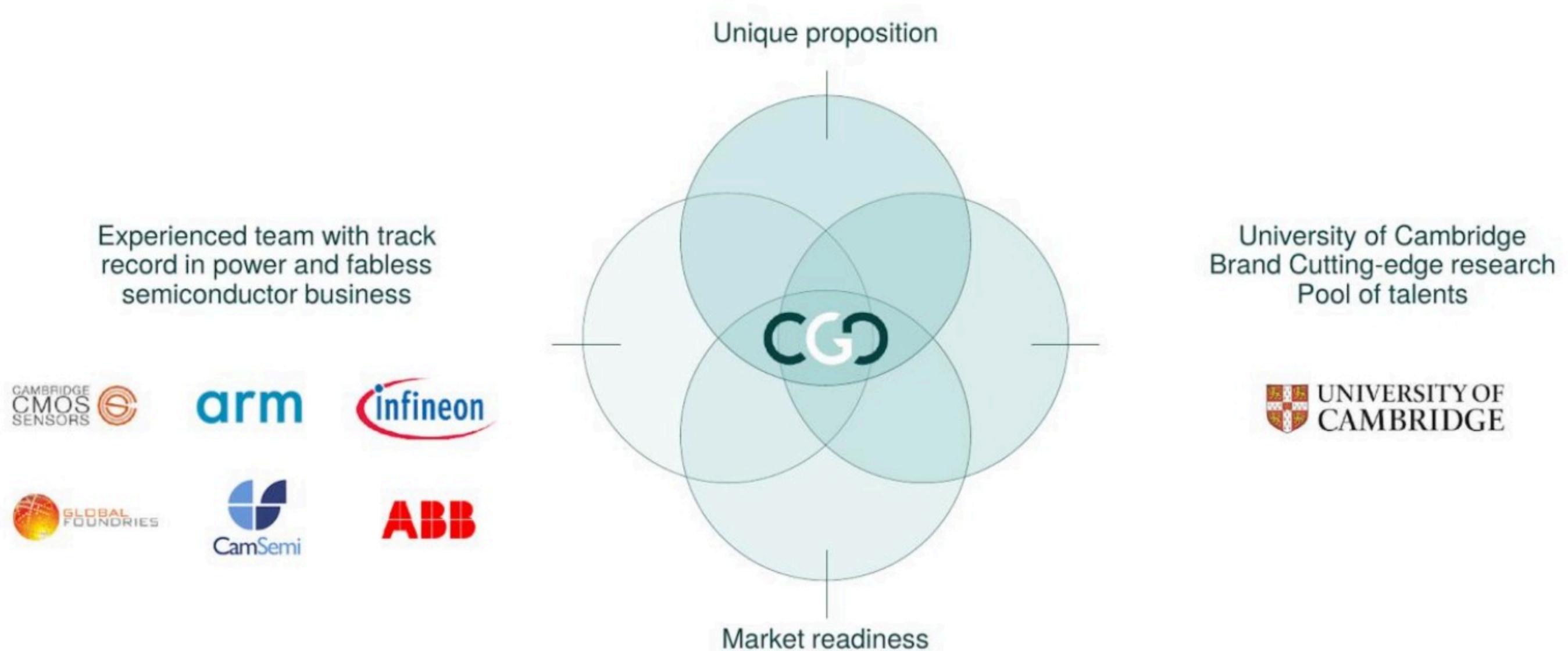


TU Dortmund (DE)
Power Electronics

CGD gathered professionals from the industry



Where innovation, unique proposition, market readiness and experience meet



First Floor, Deanland House, 160 Cowley Road, Cambridge CB4 0DL, UK

Giorgia Longobardi - CEO

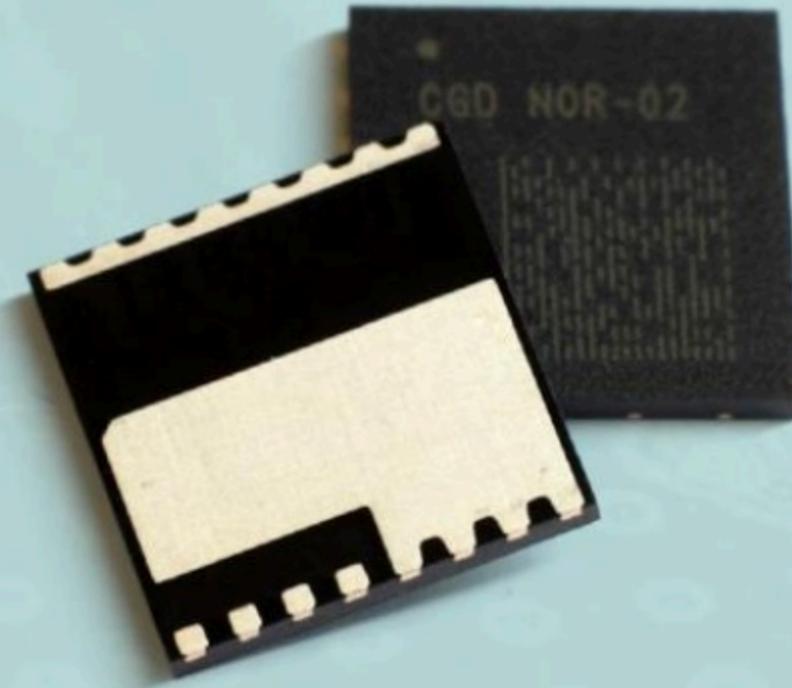
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