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analog processors

connecting systems to the real world

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„The world is analog and so should be our computers.“

Prof. Bernd Ulmann, Chief Visionary Officer

Problem

Computing today causes 4% of global CO_2

90% of which is avoidable

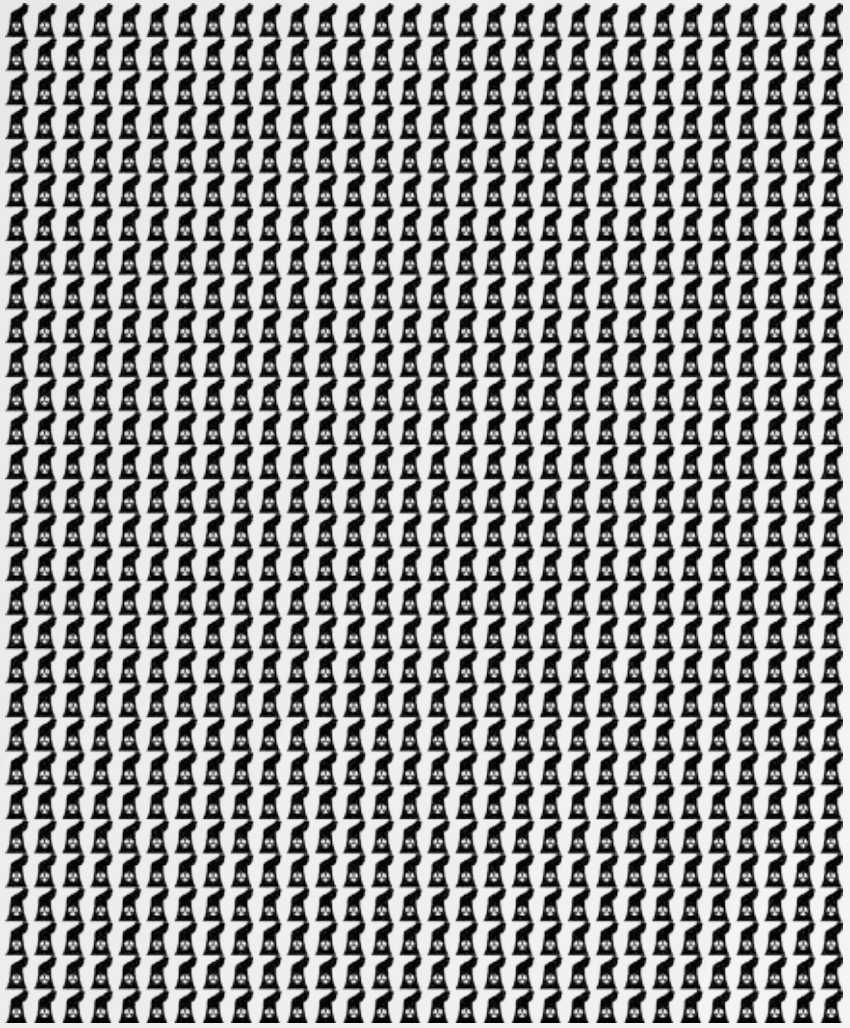
Analog is:

1,000 times faster

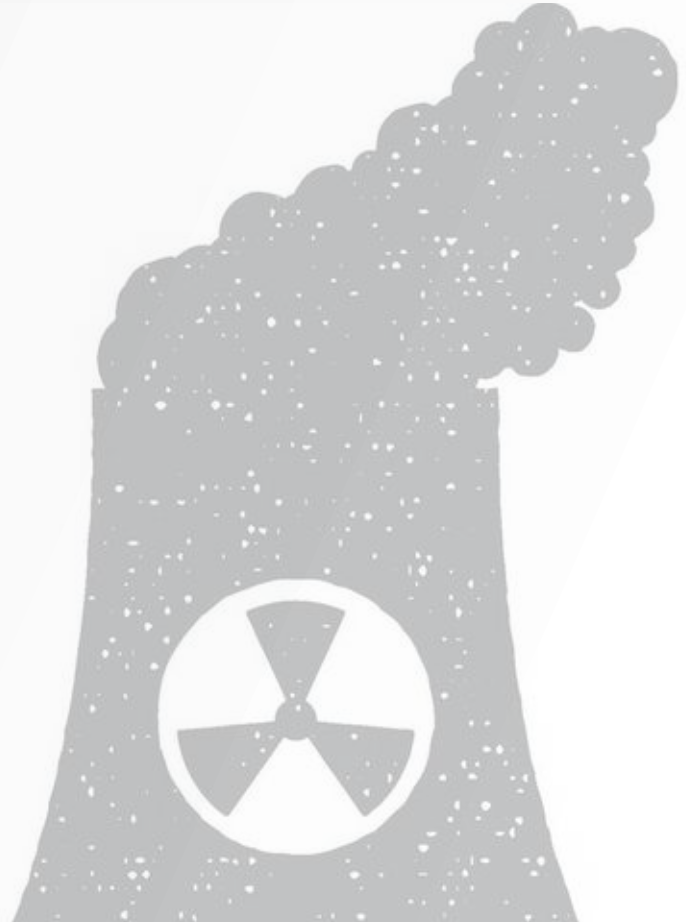
10,000 times less CO_2

How many new nuclear power plants do you want to build for the cloud?

Digital
> 100



Analog
1



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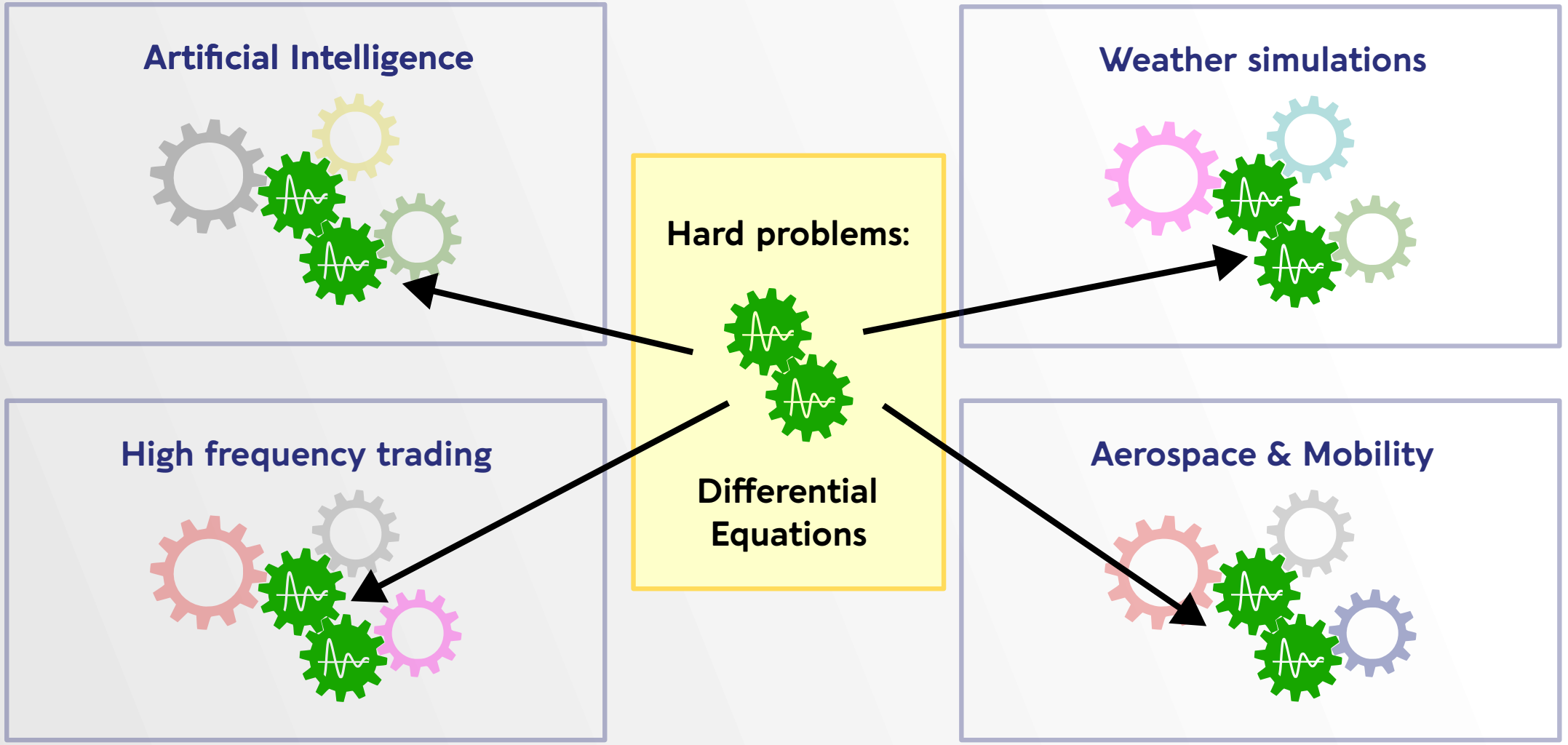
What if this was 1,000 times faster?



and produced 10,000 times less CO_2?

Technology

The magic ingredient

= Analog Processor

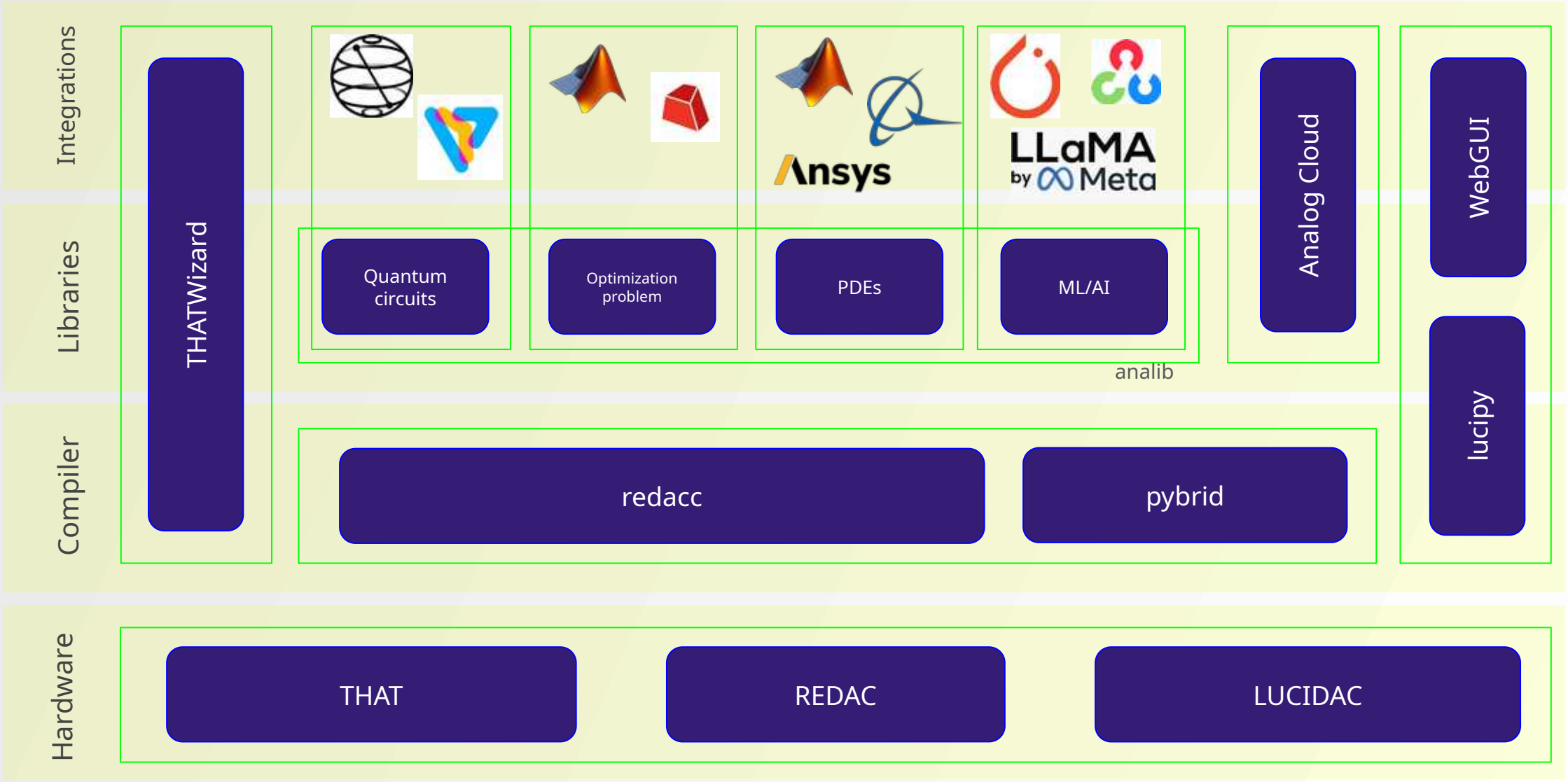
Photo of first tapeout, 2024

USPs:

- 1,000 times faster
- 10,000 times less CO_2
- Less waste energy
- Less cooling
- Less latency

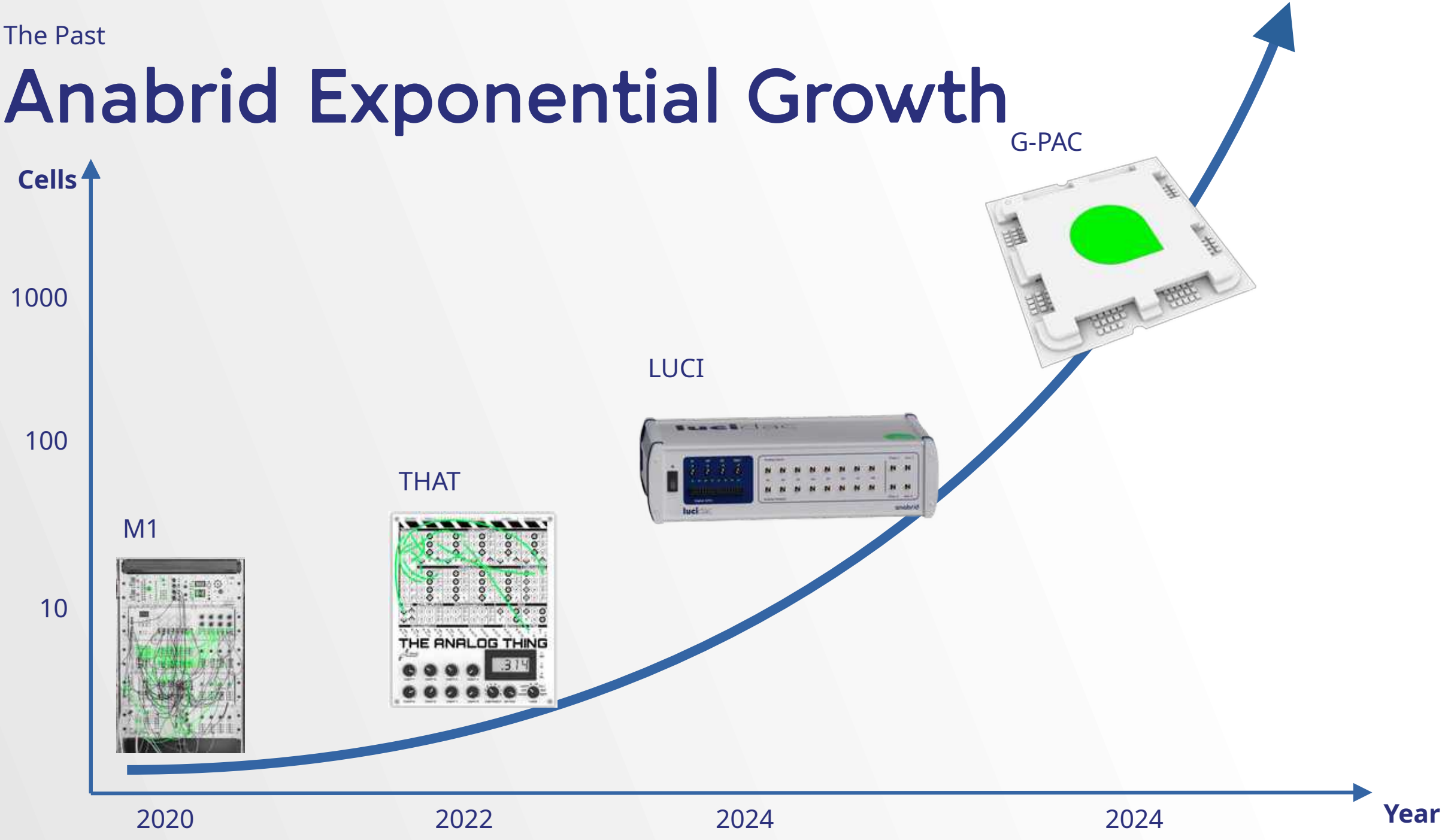
Anabrid owns the tech stack end-to-end

Existing anabrid tech stack



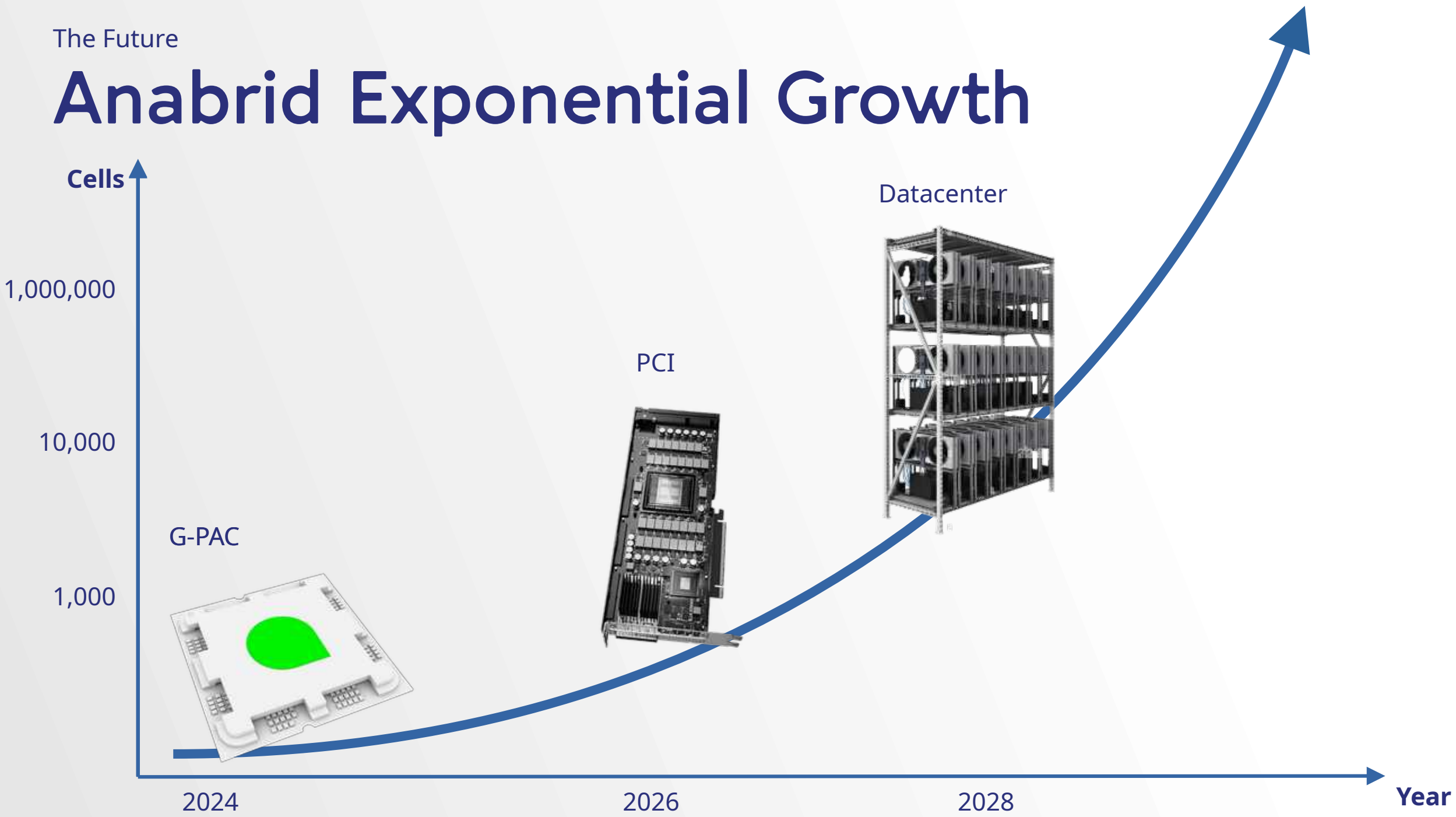
The Past

Anabrid Exponential Growth



The Future

Anabrid Exponential Growth



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Interested parties

Use Case

Predictive maintenance: Anabrid sensors save 30% downtimes

Monitoring rotating shafts, bearings, timing belts, vibrating machine parts.

Only analog works at tiny energy harvesting budgets.

Use Case

Predictive maintenance: Anabrid sensors save 30% downtimes

Applications: Aerospace, power stations, wind turbines.

This turbine downtime costs 200k€ per day.

Our setup costs: 10k€.

$2B world market,

30% CAGR

Use Case

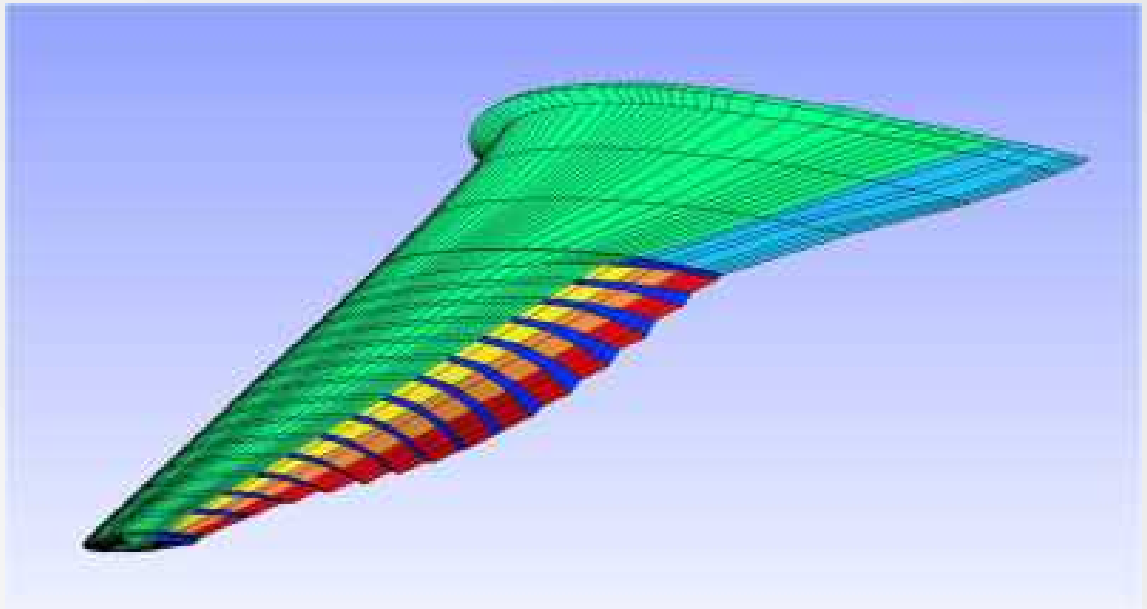
Anabrid empowers planes to save 10% fuel.

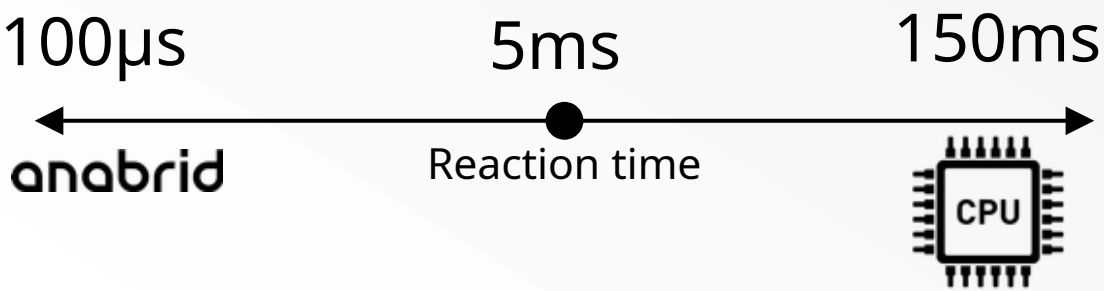
1000 new planes every year

Each 80 MEUR.

Anabrids price: **300kEUR** per plane

Client cost savings: 1.5MEUR/year per plane less for cerosine.





BOEING

TECHNISCHE UNIVERSITÄT BERLIN

Military applications

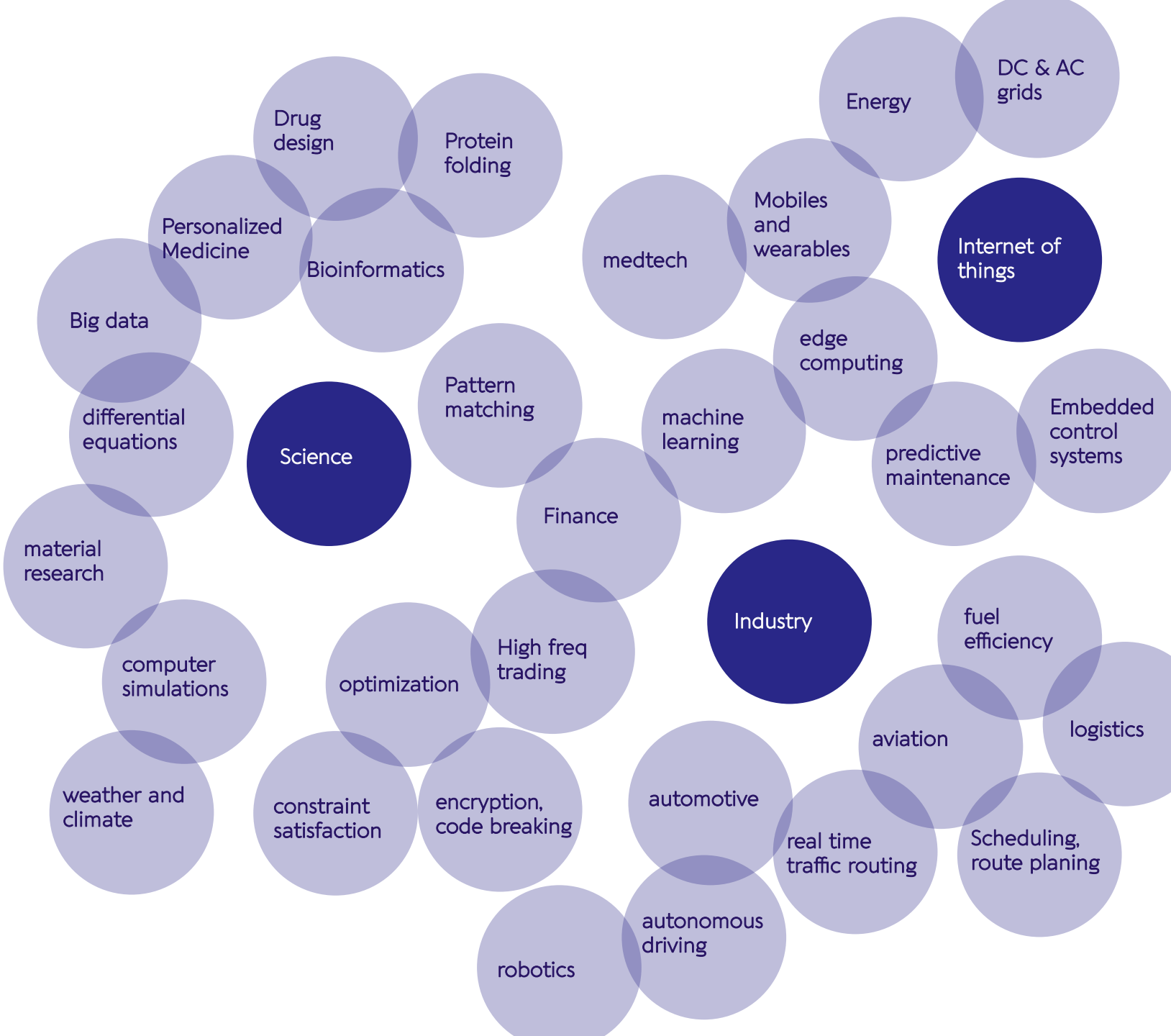
Precise self guided ammunition

30% more longer time of flight for drones

Radiation hardened control systems for space

Urgent need for computing power

enabling emerging markets



Meet the analog geeks

Founders

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PROF. DR.
BERND ULMANN

DIPL. ING.
LARS HEIMANN

PROF. DR.
DIRK KILLAT

DR.
SVEN KÖPPEL

PROF. DR. **BERND ULMANN**

World leading Specialist
on Analog Computing

Authored multiple books

Conceptional head
of team

DIPL. ING.

LARS HEIMANN

Engineer for aviation technology

Buisness expert in finance and software

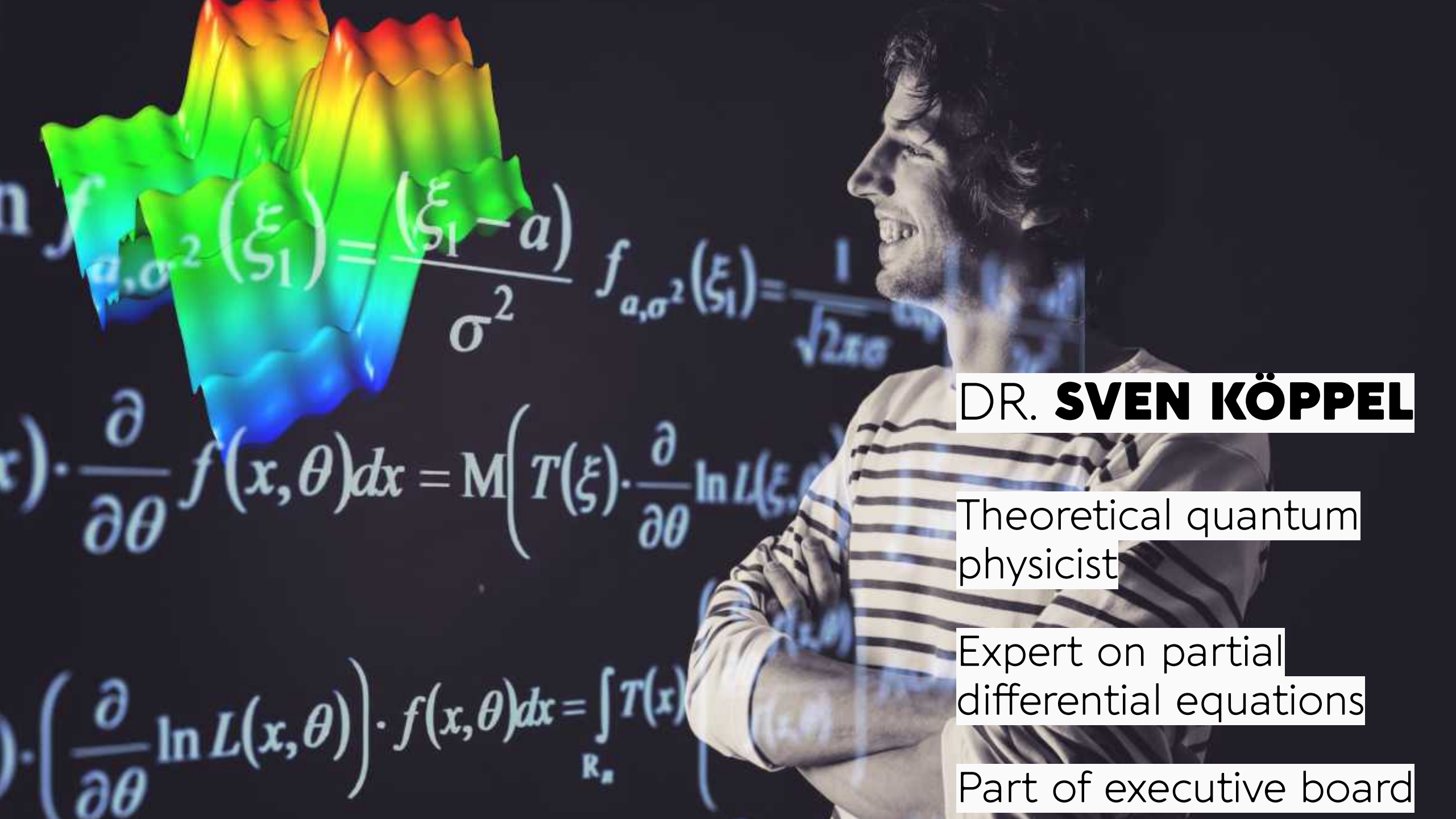
Part of executive board

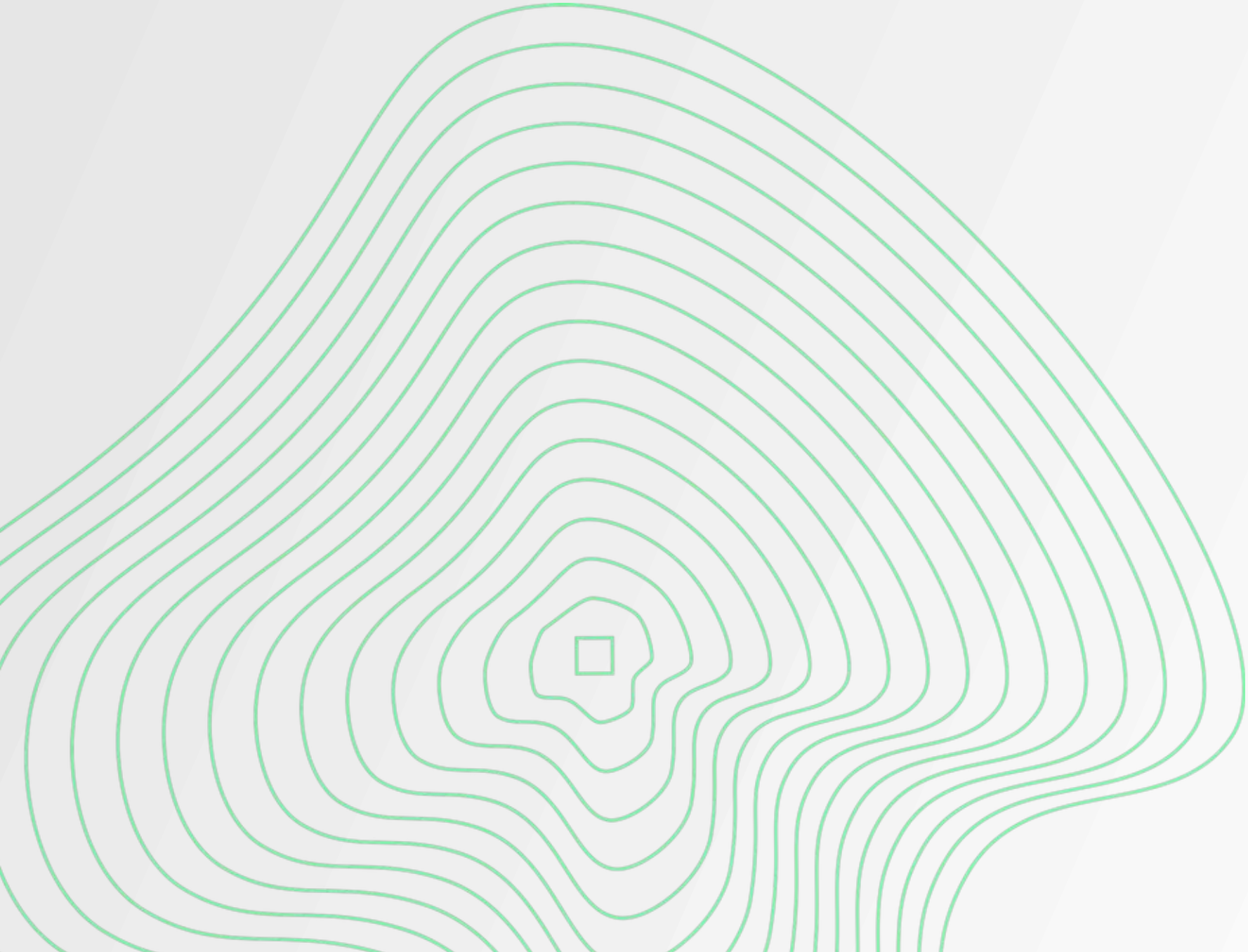
PROF. DR-ING. **DIRK KILLAT**

Professor for micro electronics and chip design

Expert on Energy efficiency

Filed more then 21 patents


DR. SVEN KÖPPEL
Theoretical quantum physicist
Expert on partial differential equations
Part of executive board



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