anabrid

# analog processors

## connecting systems to the real world

Problem

# Computing today causes 4% of global $CO_2$

## 90% of which is avoidable

**Analog is:**

1,000 times faster

10,000 times less $CO_2$

Technology

# The magic ingredient

= Analog Processor

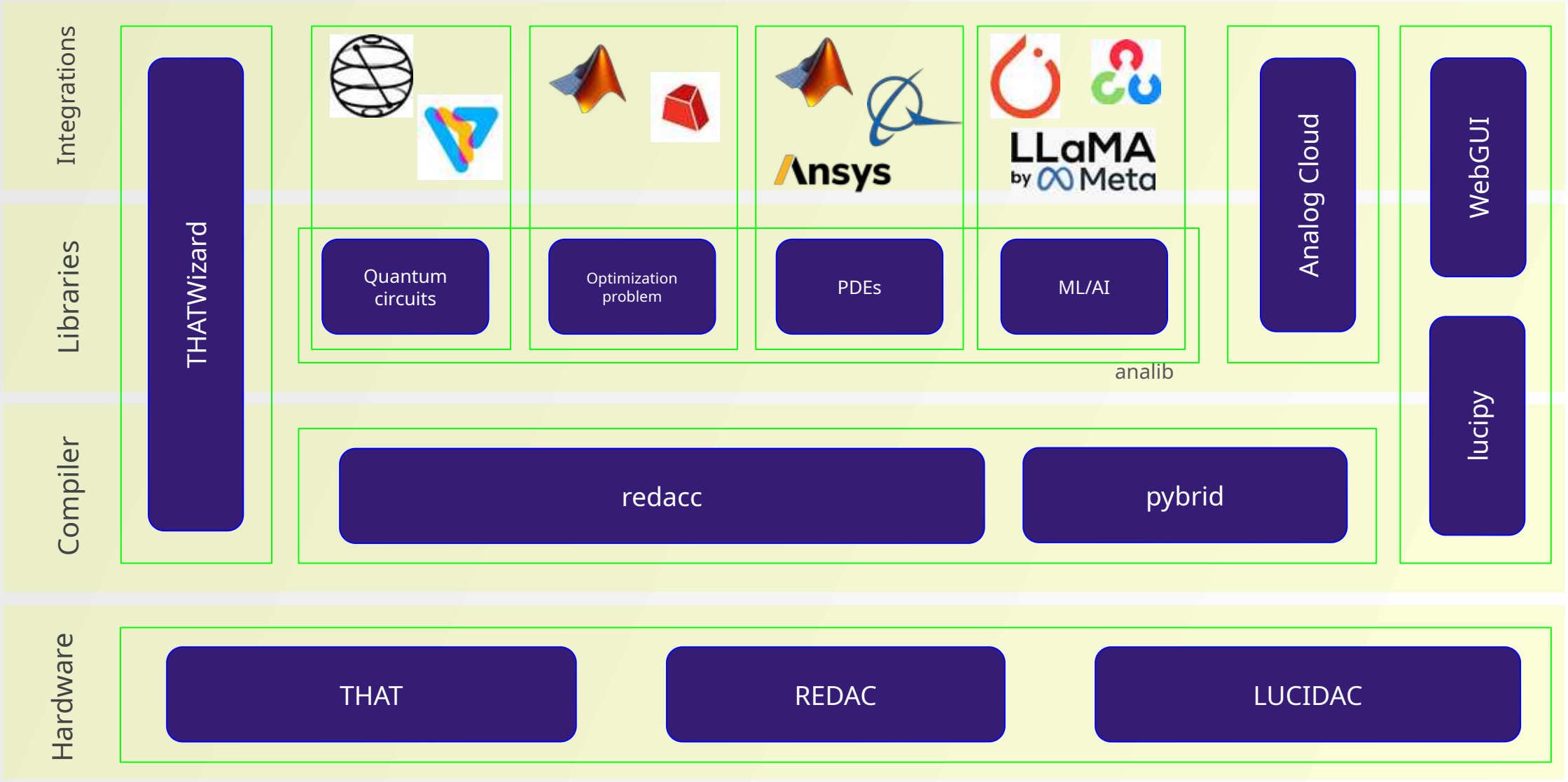

Photo of first tapeout, 2024

## 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



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

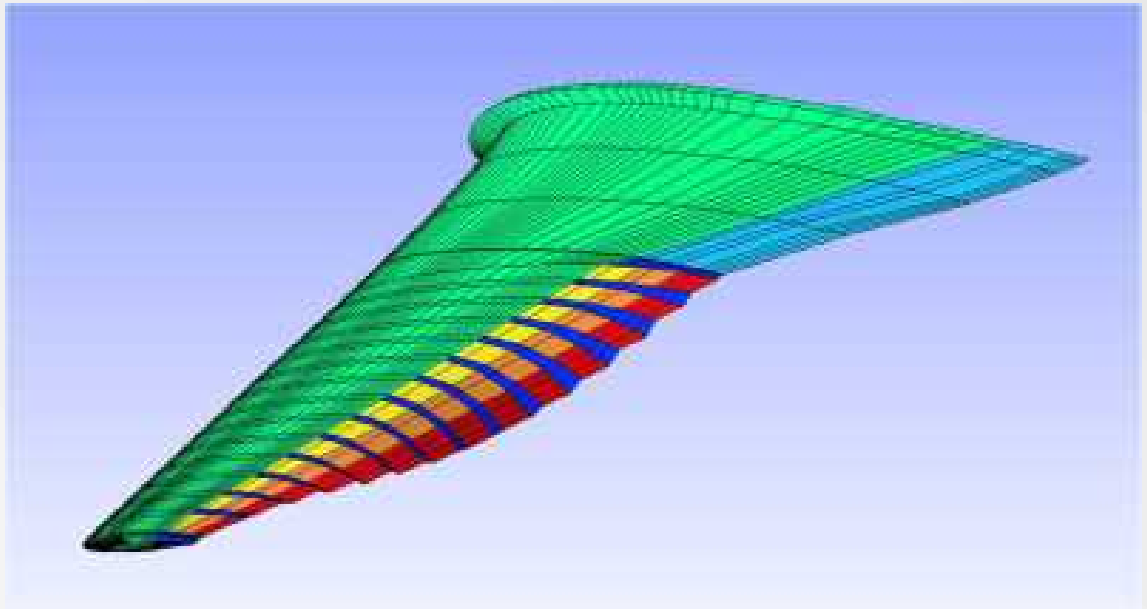
# Anabrid empowers planes to save 10% fuel.

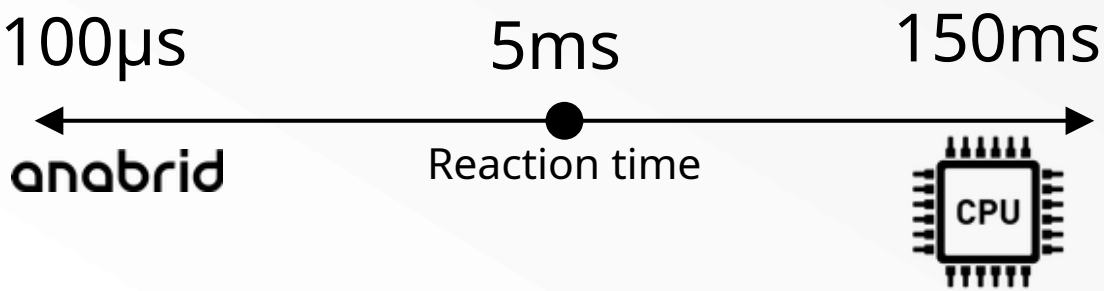
1000 new planes every year

Each 80 MEUR.

Anabrids price: **300kEUR** per plane

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






BOEING

TECHNISCHE UNIVERSITÄT BERLIN

anabrid

# Interested parties






# Join the analog movement with anabrid

Dr. Sven Köppel

Quantum Physicist

Prof. Dr. Bernd Ulmann

Specialist for future computing paradigms

Prof. Dr.-Ing. Dirk Killat

Specialist for mixed signal microelectronics

Dipl.-Ing. Lars Heimann

CEO and Business manager

Not afiliated but partnering with / supported by:

b-tu Brandenburg University of Technology Cottbus - Senftenberg

FOM Hochschule für Oekonomie & Management University of Applied Sciences

FIAS Frankfurt Institute for Advanced Studies

CREATIVE DESTRUCTION LAB

DLR Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center

QCi DLR Quantencomputing Initiative

Fraunhofer

MAX PLANCK GESELLSCHAFT

TECHNISCHE UNIVERSITÄT BERLIN

XPRENEURS INCUBATOR

TECH FOUNDERS

SPRIN-D BUNDESAGENTUR FÜR SPRUNGINNOVATIONEN

Bundesministerium für Bildung und Forschung

Bundesministerium für Wirtschaft und Klimaschutz