

# IDD ENERGY

## Battery Cooling Solutions



# IDD

[www.iddenergy.com](http://www.iddenergy.com)

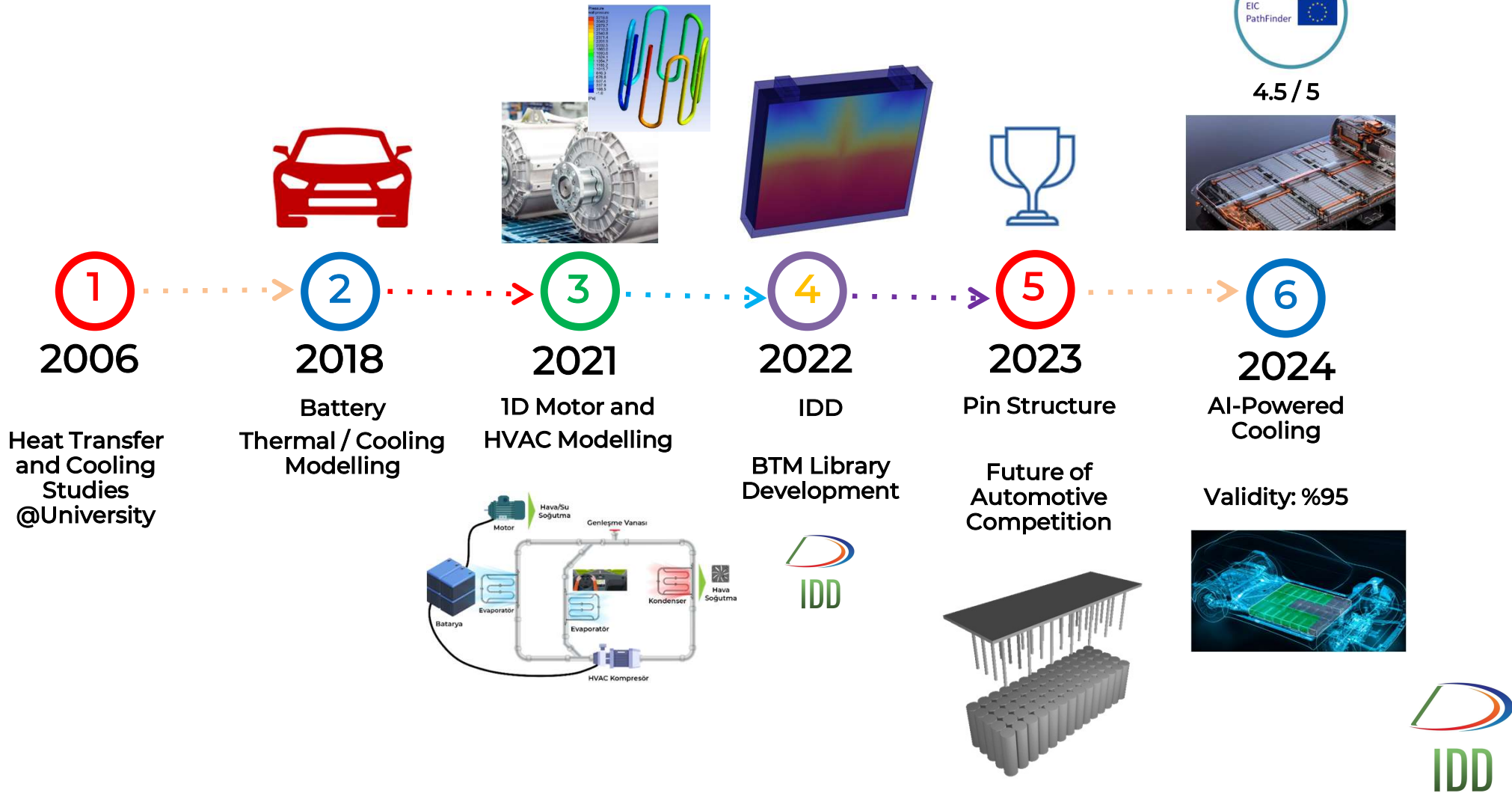
Prof. Gamze GEDIZ ILIS – CEO - [ggediz@iddenergy.com](mailto:ggediz@iddenergy.com)



+90 532 311 30 86

Türkiye/Turkey

# Our Milestones

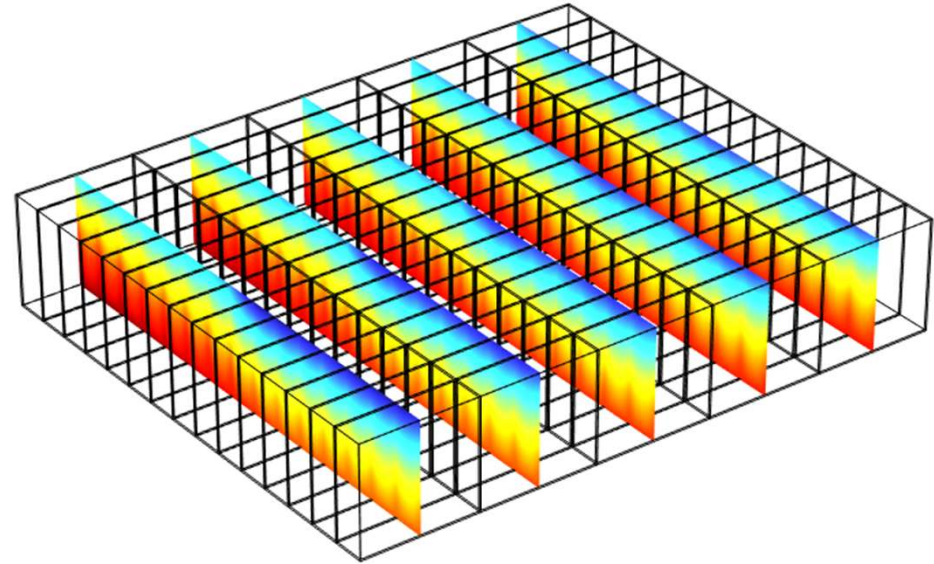
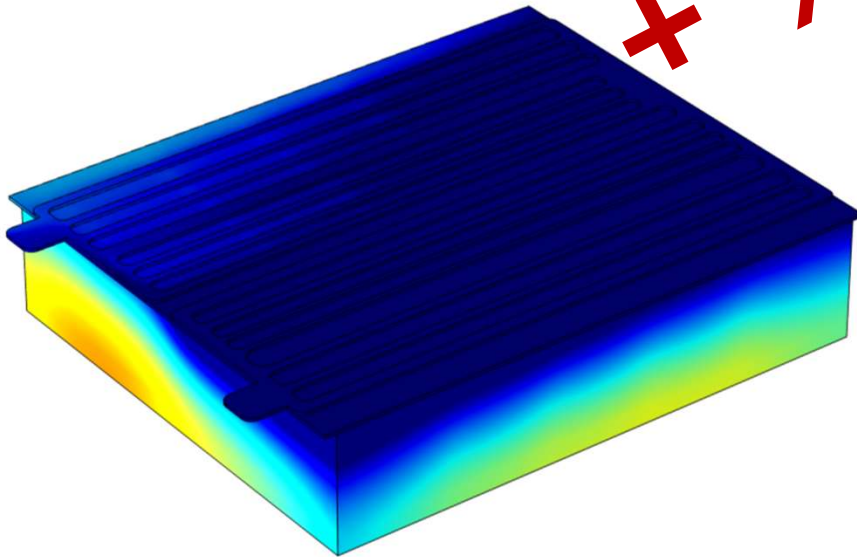


# IDD's Novelty – Electrochemistry Based Analysis

25 °C

+ % 24,3

45-50 °C



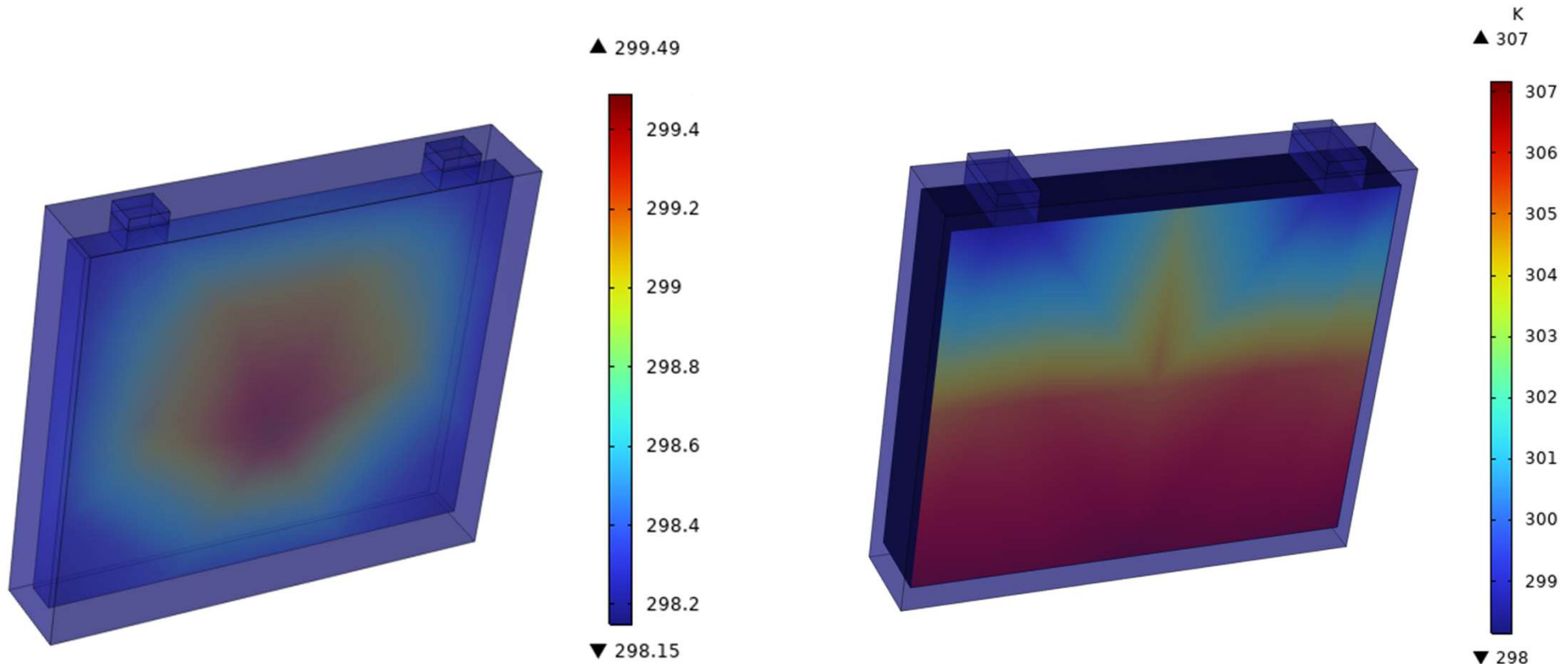
By measuring

REALITY!!

This document and information contained herein the property of IDD intellectual properties. Any use, disclosure or copying is prohibited except with the written authorization of intellectual properties, IDD, Türkiye. This is an unpublished document in which all rights are reserved.



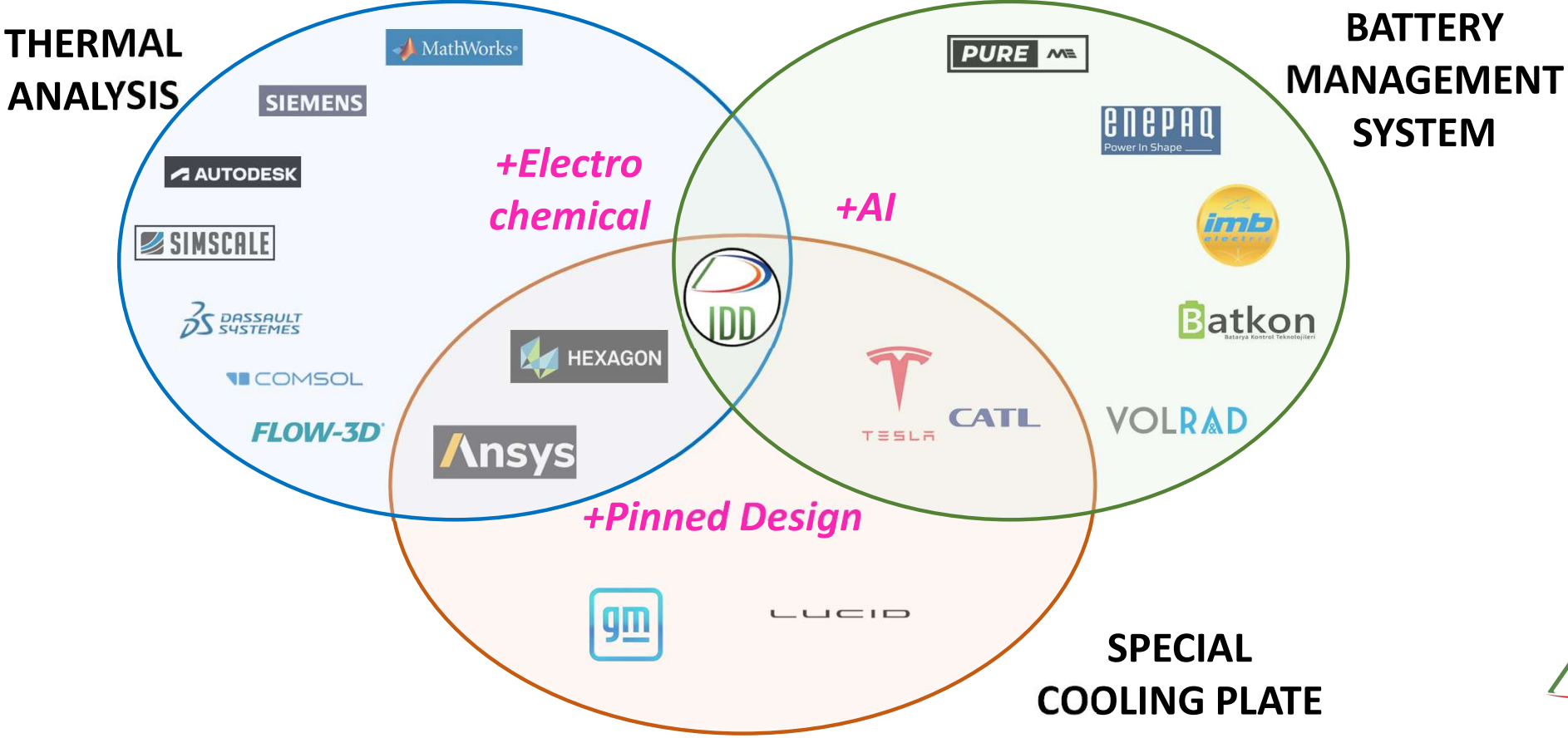
# IDD's Novelty – Electrochemistry Based Analysis



General Model by Using  
Manufacturer's Specifications

IDD's Electrochemical  
Analysis

# IDD's Uniqueness



# Our Novel Products

Battery Thermal Analysis



Cooling Plate Design

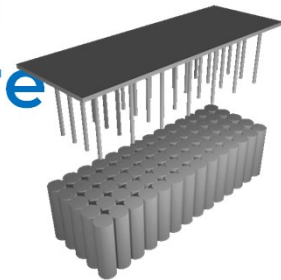


Powered by  Cooling

AI Based Thermal Digital Twin



Pinned Hardware Design



# Our Target Project and Project Partner Profile

## Healthier Battery Pack with Self-Learning Thermal Management

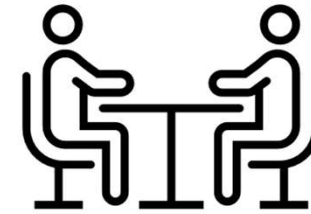


### Objectives:

- More Effective Cooling
- AI Based Self-Thermal Learning Battery Packs
- Thermal Management Optimization for Battery Packs

### Expected results:

- Less Battery Aging in a Long Time Frame - Healthier Batteries
- Less Energy Needed for Cooling & Heating Battery
- More Usable Charge During Drive Cycles



Battery Pack Casing Manufacturers

Battery Pack Subcontractors

BMS Integrator/Developer

Energy Storage Companies

Electric Vehicle Companies







**IDD**

[www.iddenergy.com](http://www.iddenergy.com)



**IDD ENERGY**

Prof. Gamze GEDİZ ILİS – CEO - [ggediz@iddenergy.com](mailto:ggediz@iddenergy.com)

+90 532 311 30 86  
Türkiye/Turkey