



# 1H, 2024 Investor Conference

尼得科超眾科技股份有限公司  
**Nidec Chaun-Choung Technology Corp.**

**Date: Aug. 27, 2024**

**Nidec Chaun-Choung Technology Corporation**

## Disclaimer

This presentation of NCCI contains forward-looking statements subject to risks and uncertainties. Actual results may differ materially from the contained in the forward-looking statements.

The forward-looking statements in this presentation are the current belief of NCCI as of the date for this release, and NCCI has no obligation to update the forward-looking statements for new information, future events, or otherwise.

- **Company Profile**
- **1H, 2024 Financial Results**
- **Focus: Market, Products & Technologies**
- **Q & A**

# Company Profile

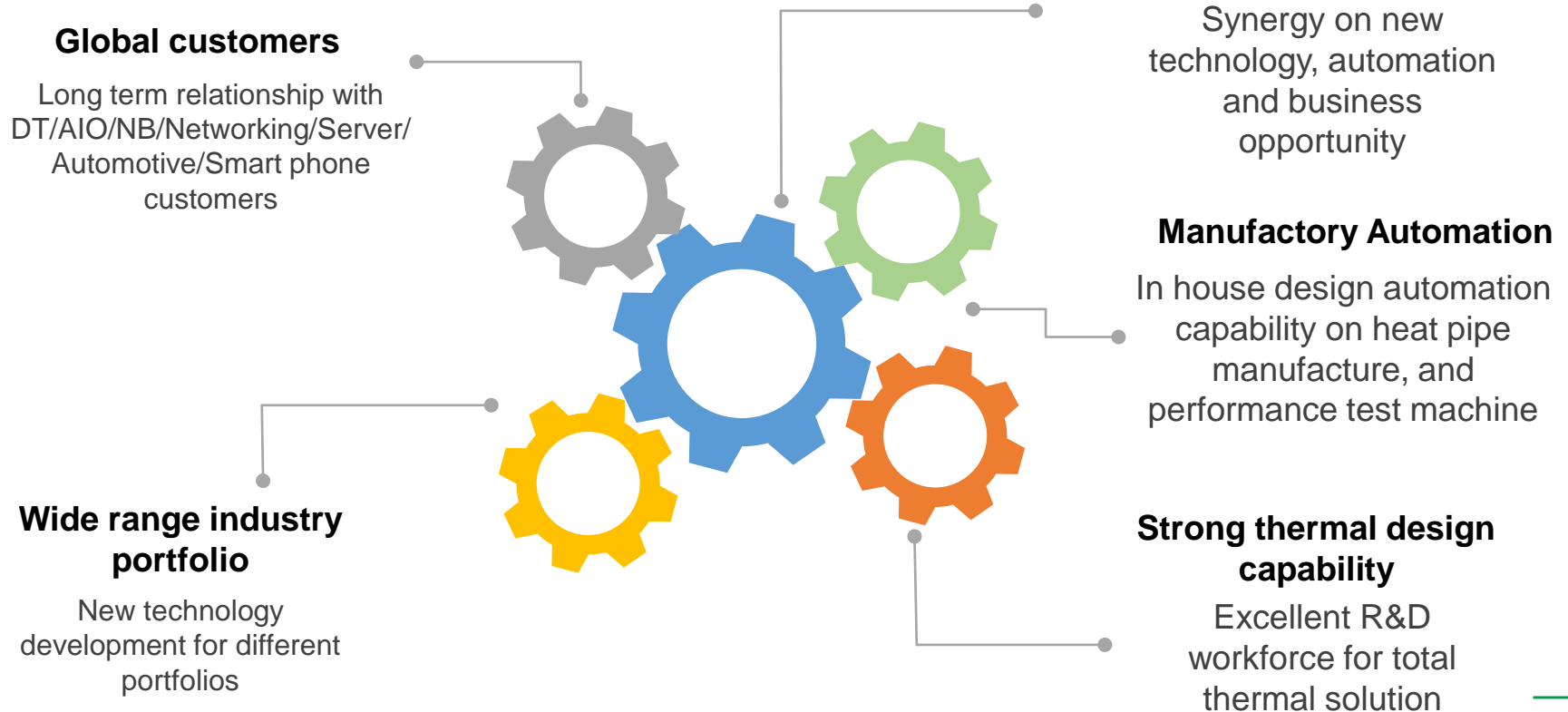
- **Chairman and CEO** : Nagai Junichi
- **Founded** : Dec.14. 1973
- **Stock Listing** : TWSE ( ticker: 6230)
- **Nidec Corporation:**  
Hold 86.3% shares, as a major shareholder (Jul. 2023).
- **Capital** : NT\$ 863,434 (K)
- **HQ Address** : No. 184-3, Zhongxing N. St., Sanchong Dist.,  
New Taipei City 241, Taiwan
- **Main Business** : Heat Sink & Thermal Solutions
- **WW Factories & Offices**



# Worldwide Factories & Offices



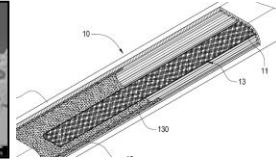
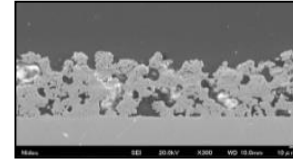
# NCCI Core Competence



# Synergy Advantages

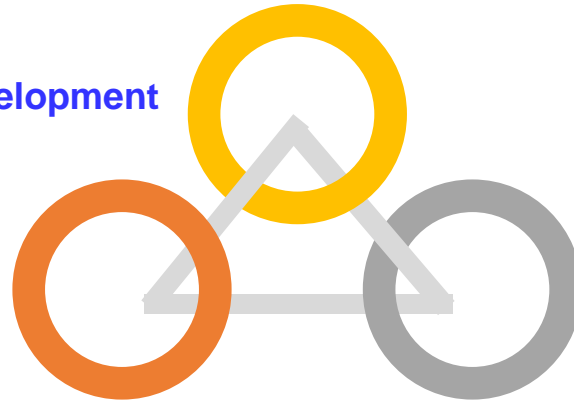
## Metallurgy & Wick Technology

Nidec & NCCI with strong basic research  
Proprietary multi-wick design to support Ultra-thin /  
Hi-power Thermal Solutions.



## In house Automation Equipment development

Nidec & NCCI collaborate to develop  
manufacturing automation machine from  
sample stage to MP stage.

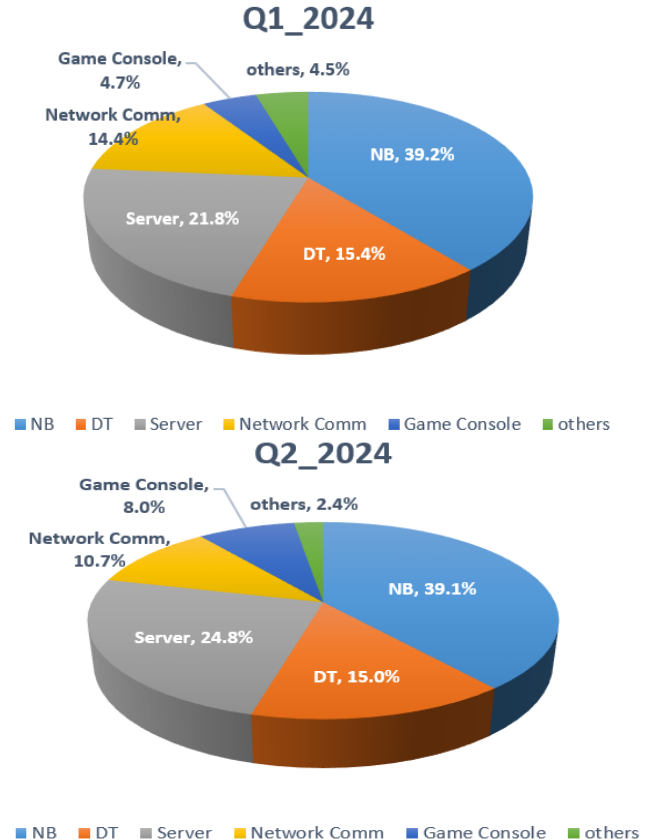
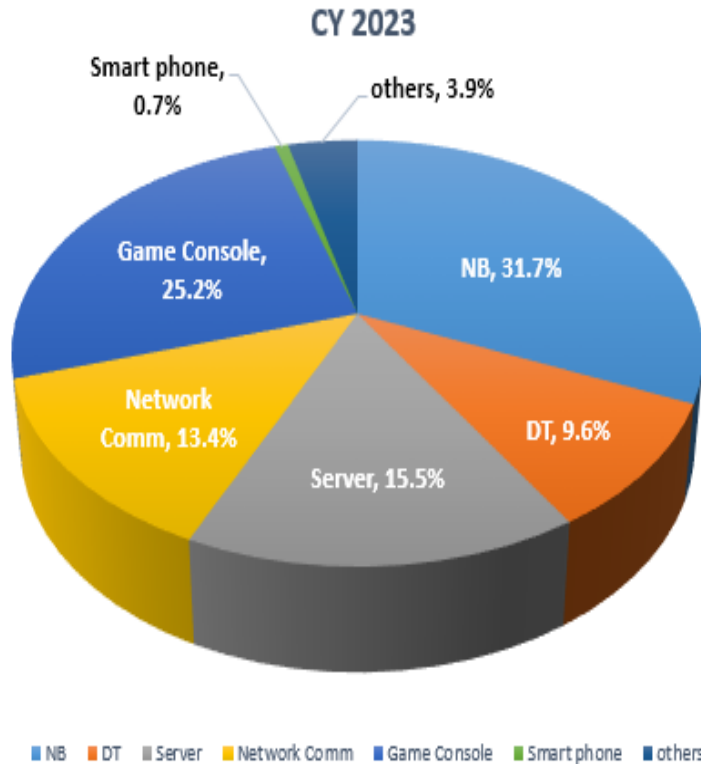


## Thermal total solution provider

Nidec is good at Fan/Pump active solution  
and NCCI is good at HP/VC passive  
solution, collaboration to provide  
customer total solution with best options.

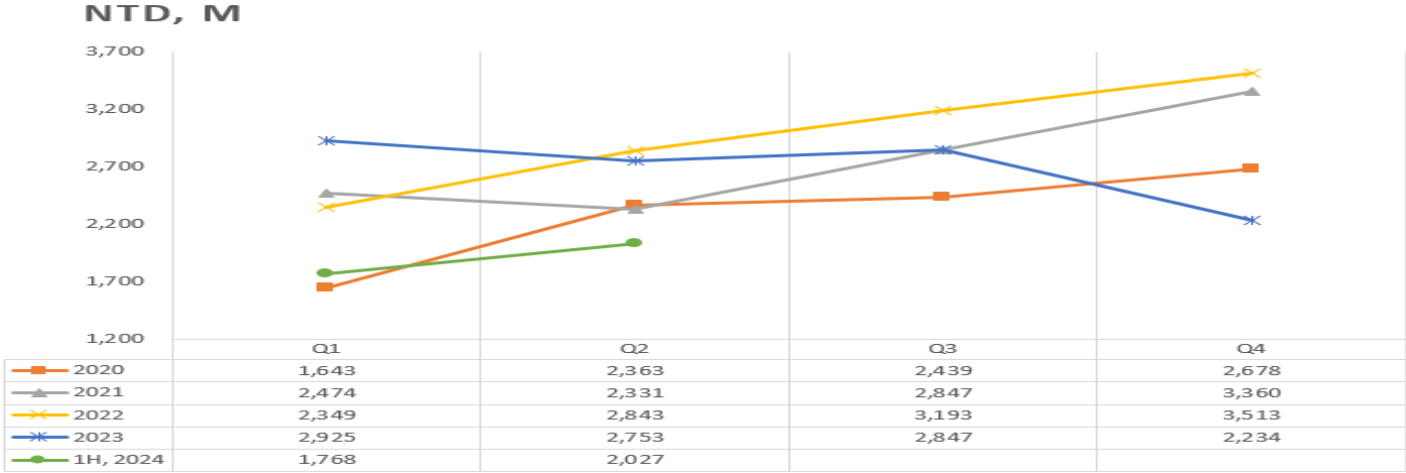


# Product share of revenue



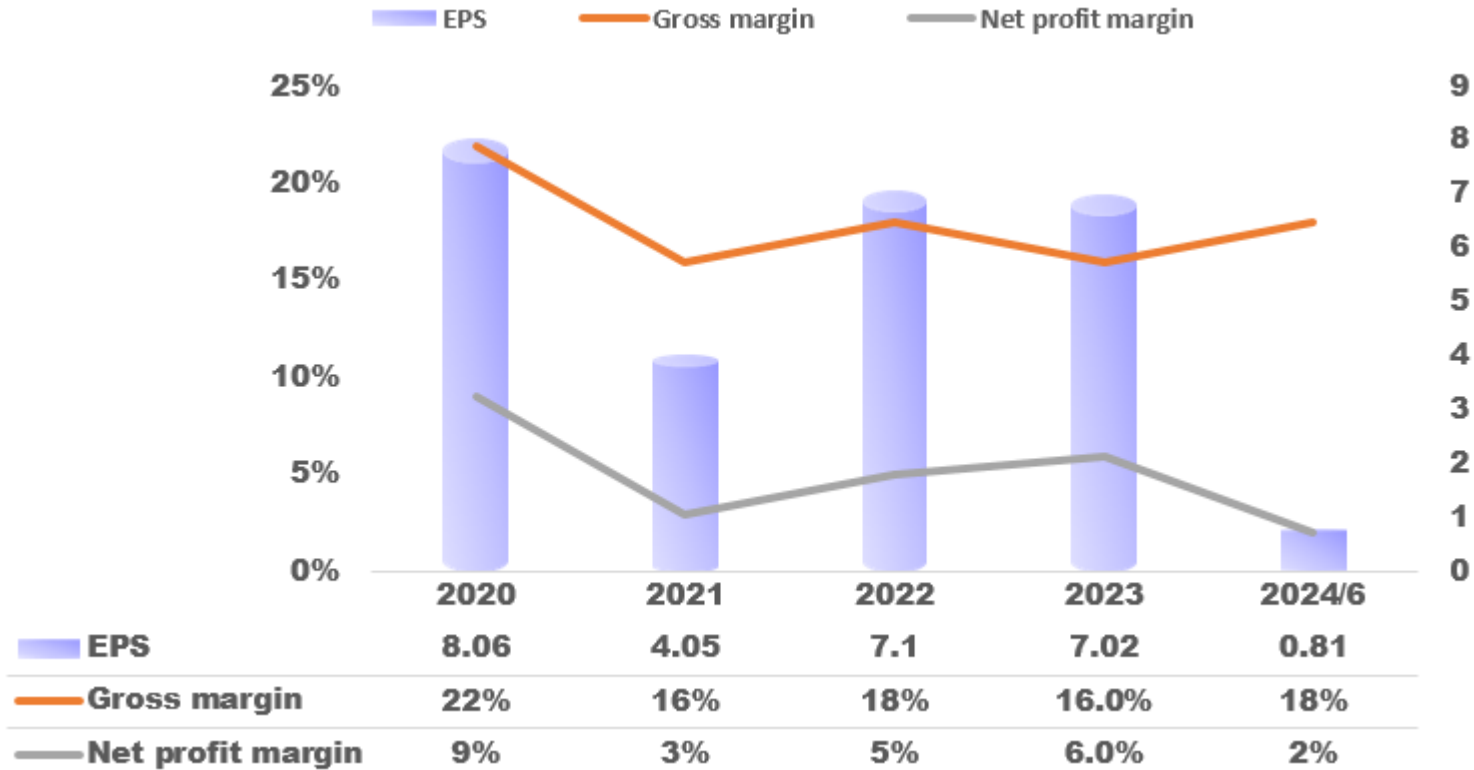


# Financial Result-Revenue

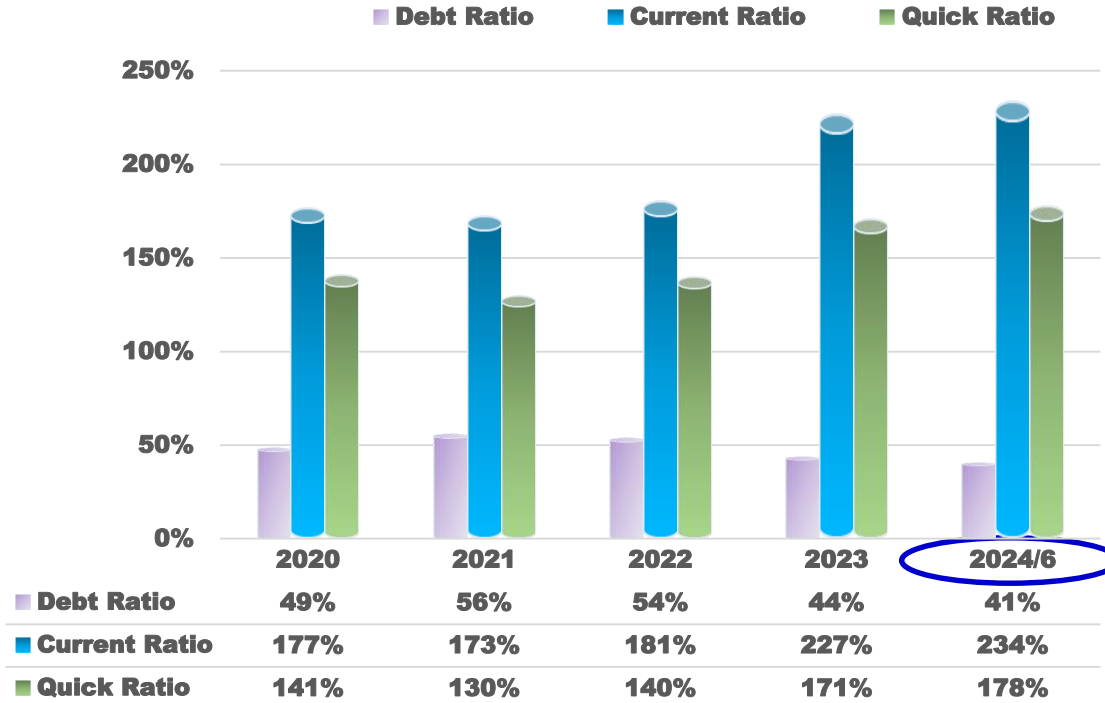


NTD\$: Million

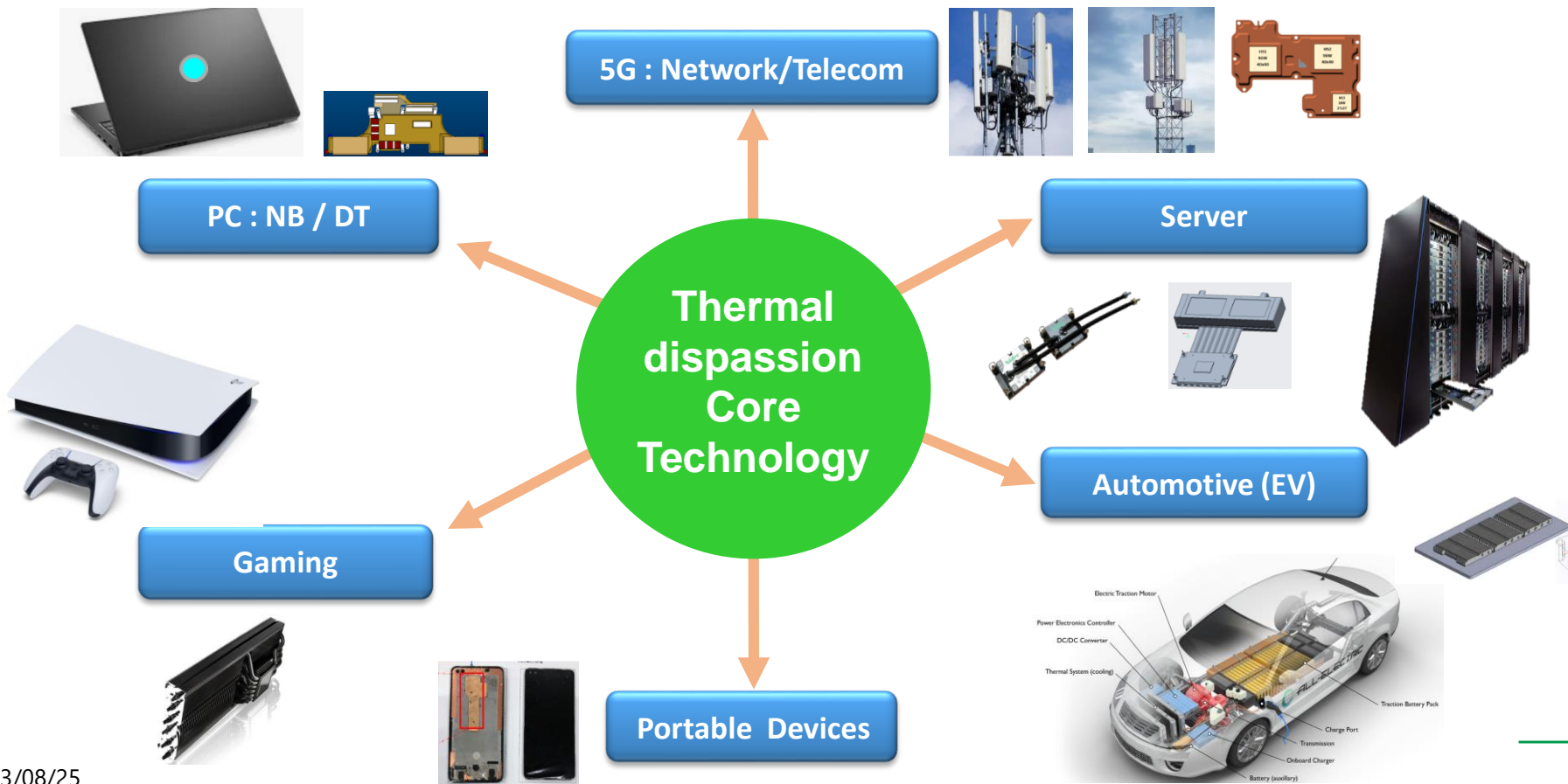
# Financial Result-Financial Index I



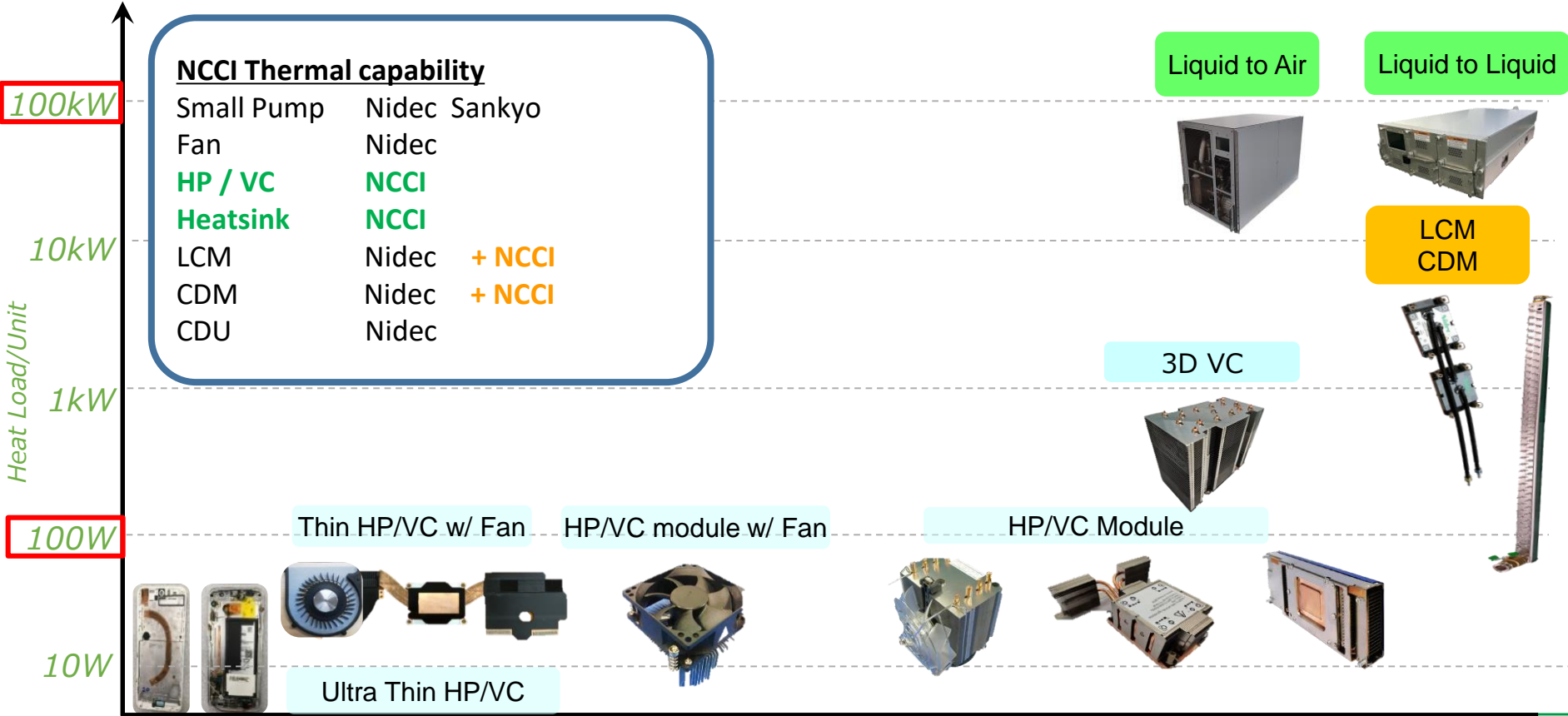
# Financial Result-Financial Index II



# Focus Market



# NCCI Product Line-up for Thermal Solutions



100kW

10kW

1kW

100W

10W

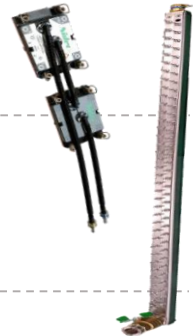
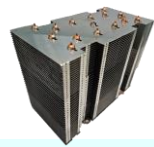
Liquid to Air

Liquid to Liquid



LCM  
CDM

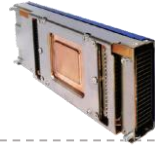
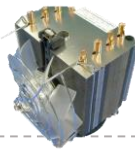
3D VC



Thin HP/VC w/ Fan

HP/VC module w/ Fan

HP/VC Module

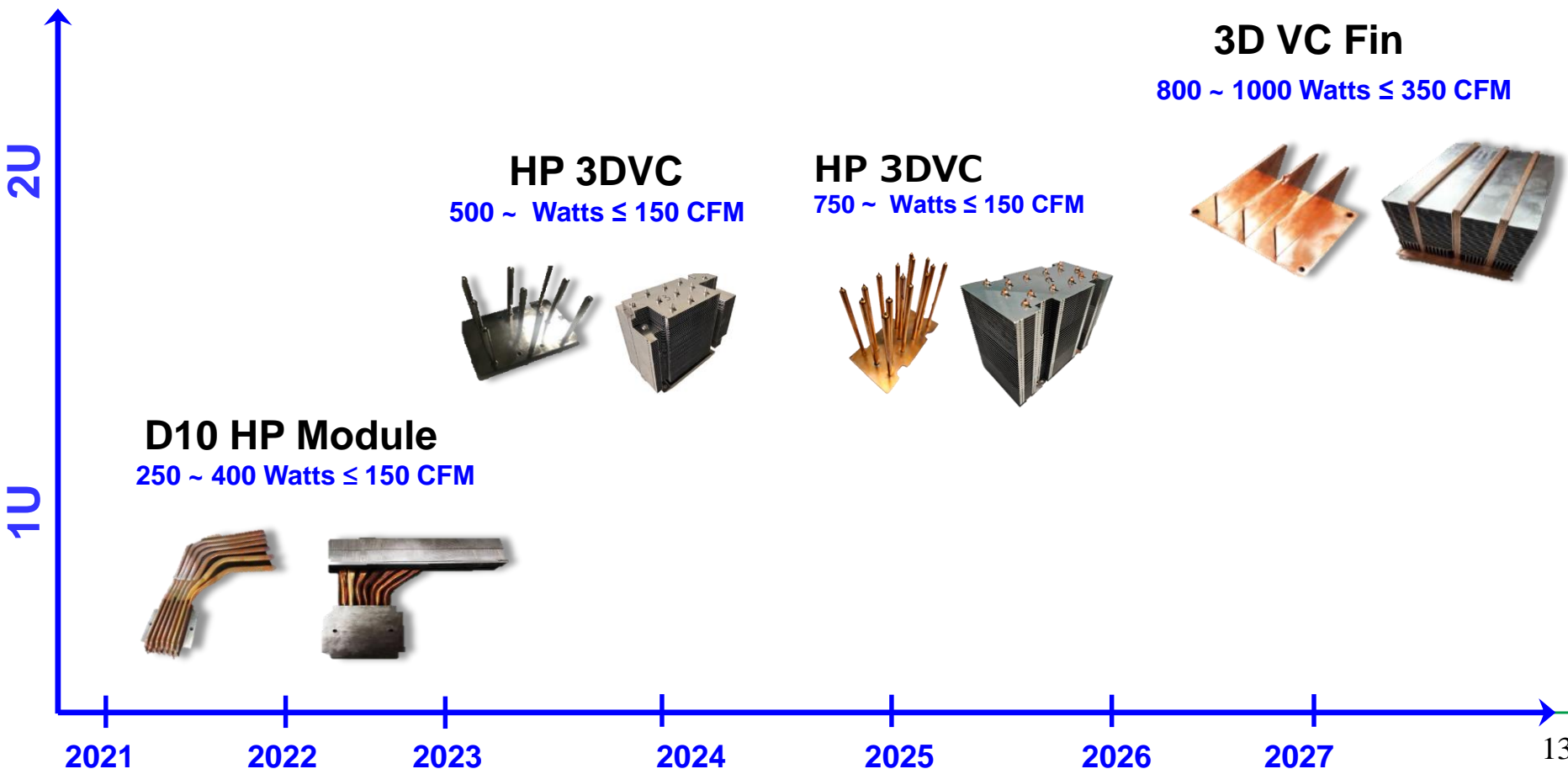


Ultra Thin HP/VC



Mobile    Tablet/Laptop    Console/Desktop    Workstation    Server    Data Center

# NCCI High Power Thermal Solution Roadmap(A/C) All for dreams



# Application : Notebook/Desktop/AIO/IPC

## Air Cooling: Passive / Active



**Slim Thermal Solution for Gaming NB**  
**Slim VC ( $1.3\text{mm} \leq t \leq 2.2\text{mm}$ ) for CPU+GPU 170~240 Watts**



# Application : 5G/6G/HPC

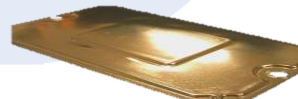
**Ultra-thin Thermal Solution for 5G Smart Phone**  
VC Thickness 0.25mm – 0.35mm



**Slim Thermal Solution for DRAM**  
Ultra Thin VC ( t < 0.8mm) for 6 Watts



**Hi-Power VC Thermal Solution for HPC Server**  
High Heat Flux Vapor Chamber > 80 W/cm<sup>2</sup>





# Application : 5G/6G/HPC

Hi-Power Air Cooling Solution for HPC, Networking

VC module for 350 - 700 Watts

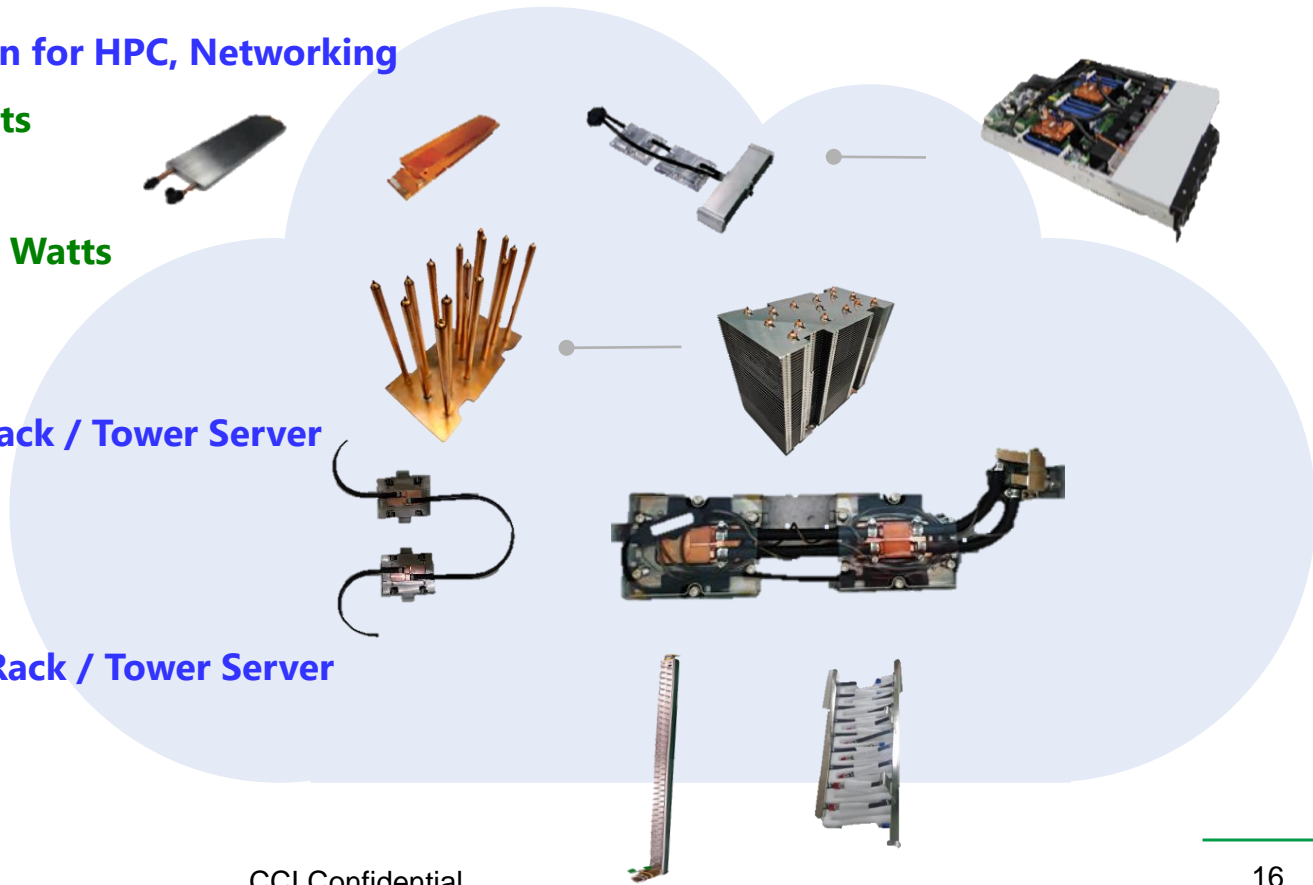
3D VC module for 750 - 1400 Watts

Liquid Cooling Solution for Rack / Tower Server

LCM

Liquid Cooling Solution for Rack / Tower Server

CDM



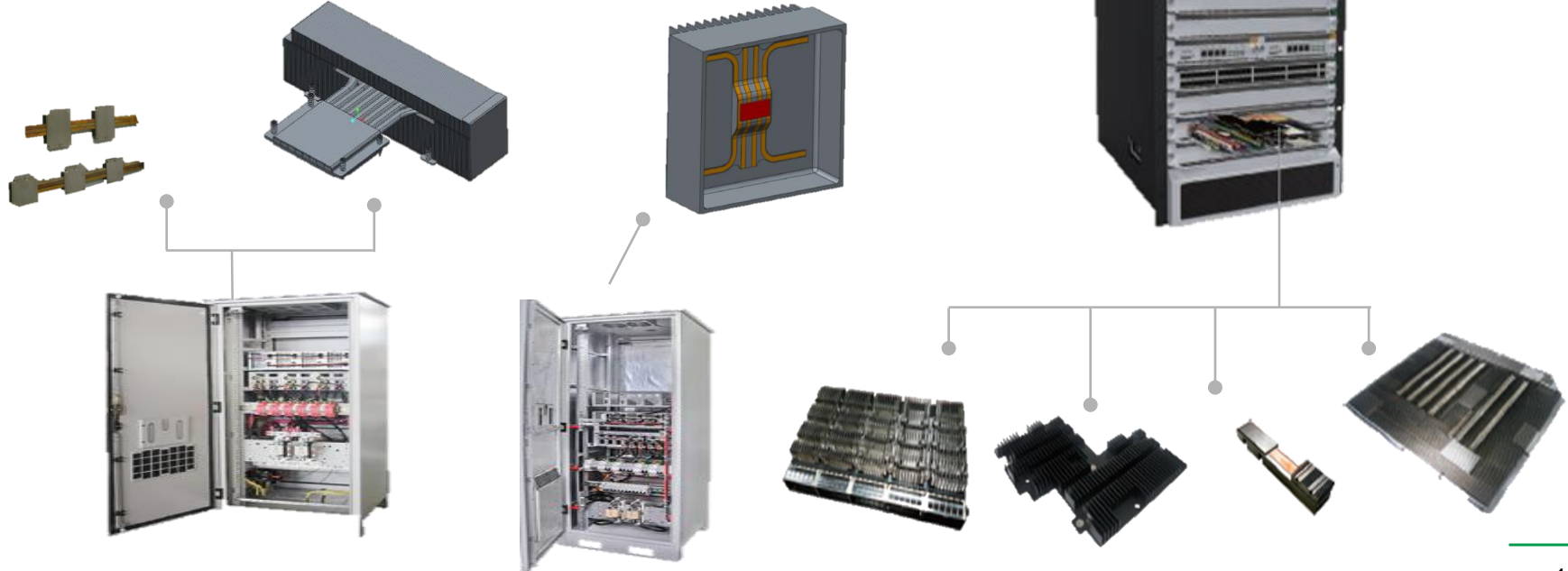
# Application: 5G/6G/HPC

## Hi-power Heat Pipe Module for 5G Telecom Switch

Long Heat Pipe  $L \geq 600$  mm for 500Watts

600W switch thermal solution

5G network thermal solution



# Application: Automotive



**ECU Heat Sink**



**ADAS AI Chip**



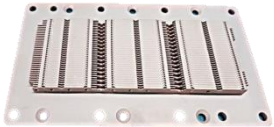
**LIDAR Heat Sink**



**Turn Signal Light Heat Sink**



**5G Antenna**



**IGBT Cold Plate**  
45KW, Cold Plate

**Radiator**



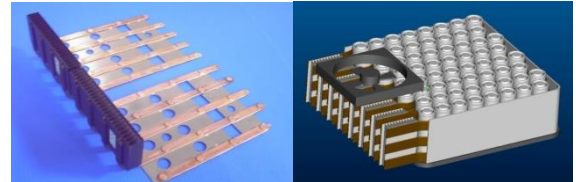
**Head Light Heat Sink**



**Battery 38650 thermal solution**



**Charging Station**



# Q & A

***Nidec***

**All for dreams**