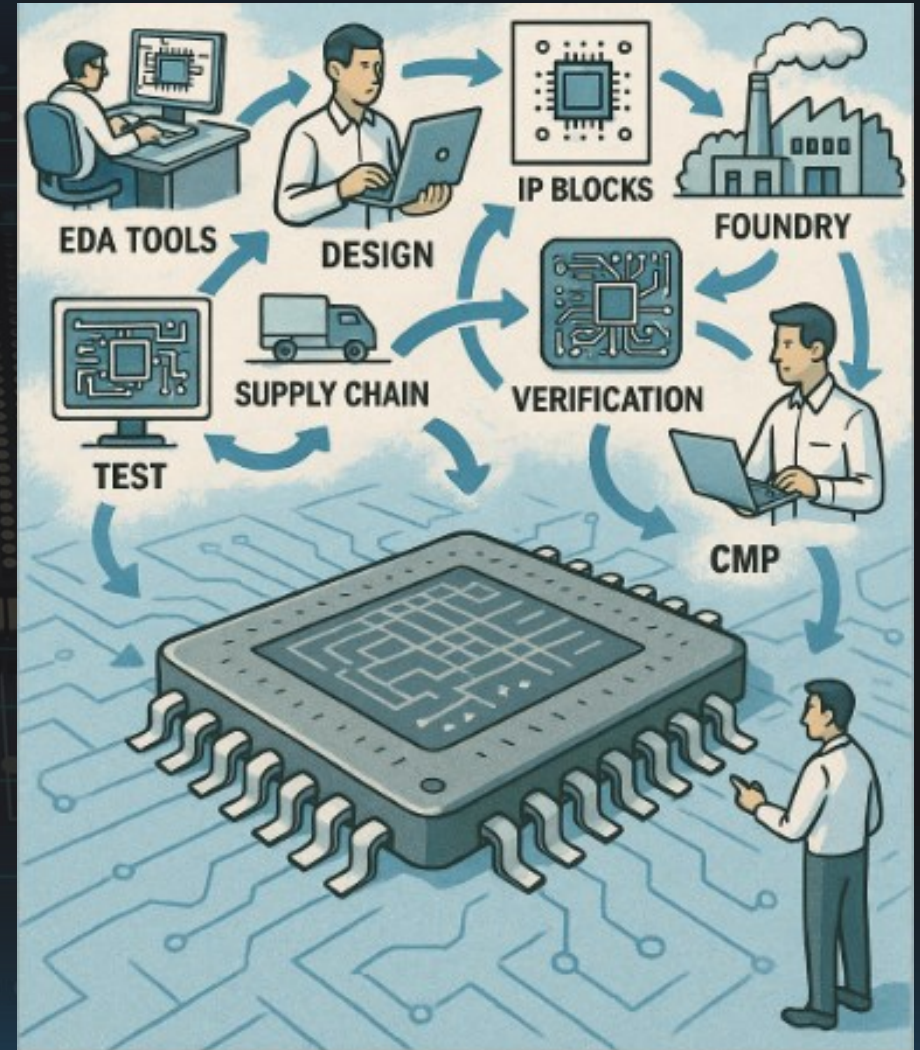


Fabless Model for Chip Happens

Tomi-Pekka Takalo
28th August 2025



CoreHW Shortly

- CoreHW is a Finnish Fabless Semiconductor Company
- Founded 2013
- 80 employees, 10M€ revenue
- Business Segments:
 1. IC Design Services & IP Licensing
 2. RTLS Products (Real-Time Location Systems)
- Mission: Deliver world-class IC and RTLS technology

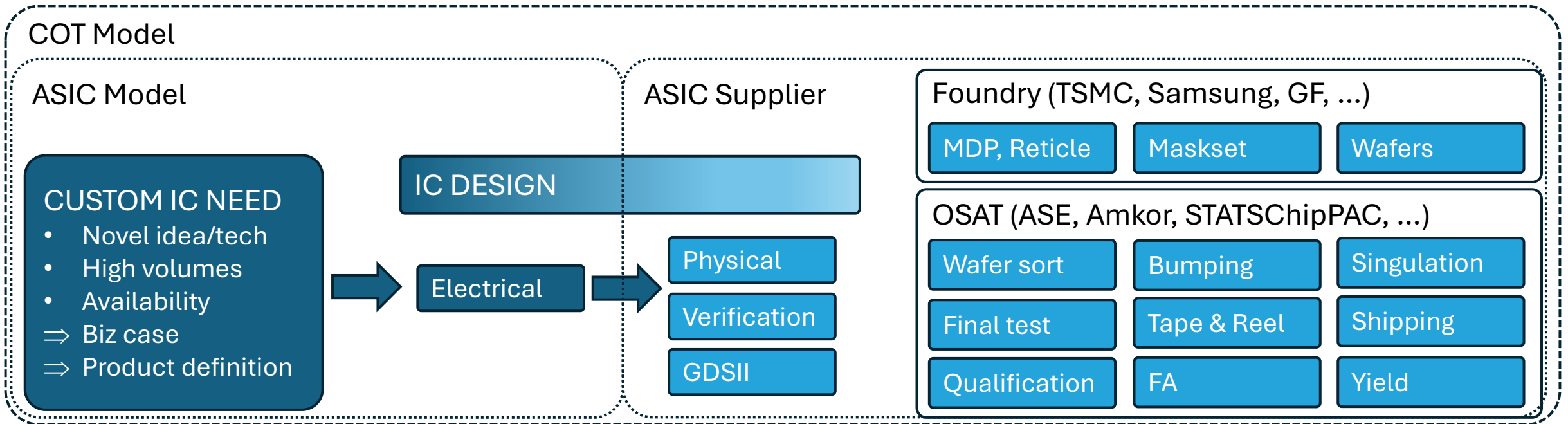
RTLS CoreLocator + CoreTags



CoreHW Fabless Model: COT

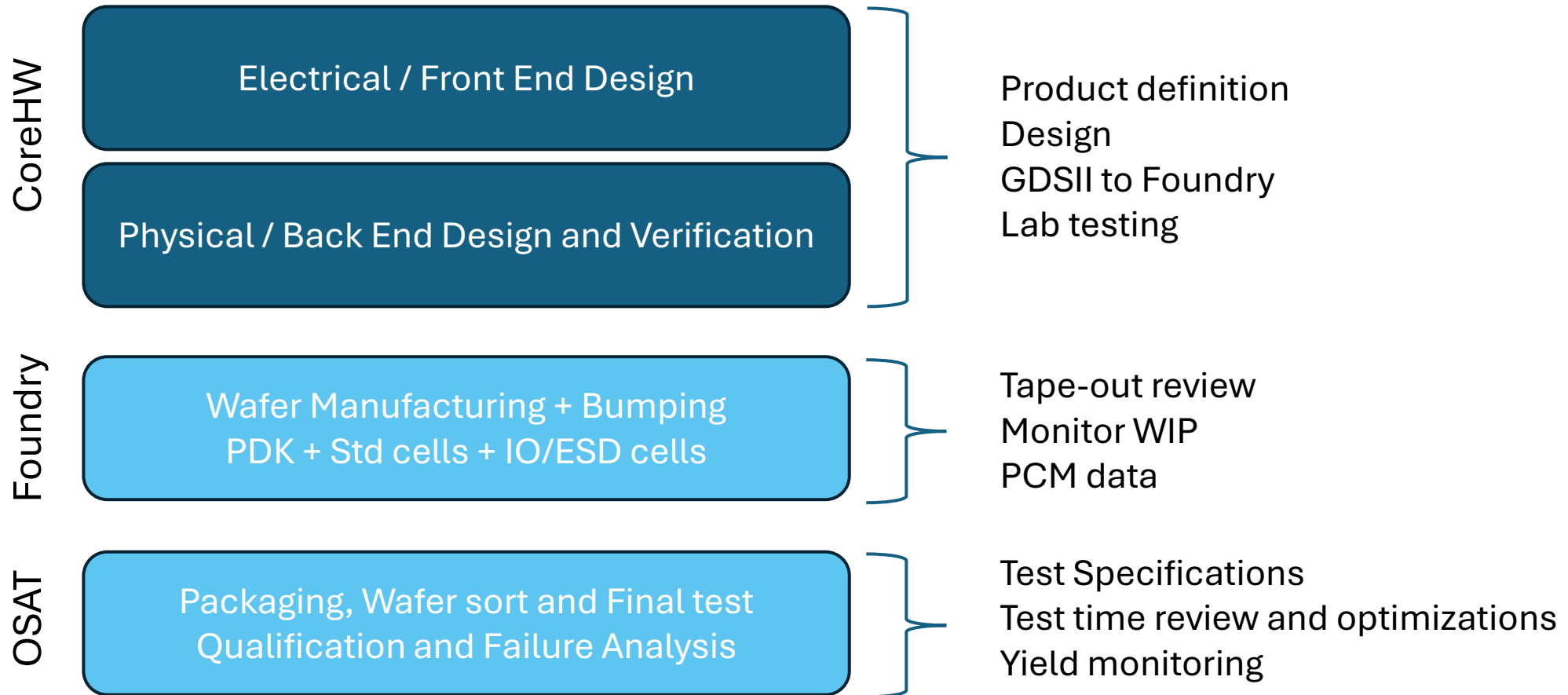
- ✓ Agility and flexibility
- ✓ Capital light
- ✓ Focus on differentiating technology while leveraging global manufacturing ecosystem

- Focus: Design, IP, Innovation, System know-how
- Outsourced: Wafers (Foundry), packaging and testing (OSAT)



CoreHW Fabless COT Flow

CoreHW Control



Fabless in Design Services & IP Licensing

- Turnkey offering:



- Key elements:
 - IP portfolio: >300 blocks/subsystems in GF, TSMC, XFAB (22nm–180nm)
 - Expert team: 60 IC professionals (RF, analog, mixed-signal, digital, system design)
 - Partnerships with Foundries and OSATs
 - Business model: IP licensing + NRE project
 - 10-15 tape-outs with 5-10 different technologies annually
- ⇒ Strong FE/BE design + Verification capabilities (COT)



Fabless in RTLS Business

- Evolution: Chips → Modules → Devices → Full RTLS Solutions
- Core strength: Custom IC for optimized performance
- Custom IC benefits vs. off-the-shelf:
 - Higher positioning accuracy
 - Optimized RF performance
 - Lower power, tailored for application
 - Technology protection: custom IC design + essential patents + unique SW algorithms
- COT/Hybrid model



Closing

- Fabless model enables us to focus on what we do best:
 - Design
 - IP
 - System-level innovation
- CoreHW combines the flexibility of fabless with unique differentiation in design services and RTL products

Thank you – looking forward to your questions



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