

Next Generation Digital Implementation Flow



50B devices
by 2020

Internet of Things



250M+ tablets
in 2014

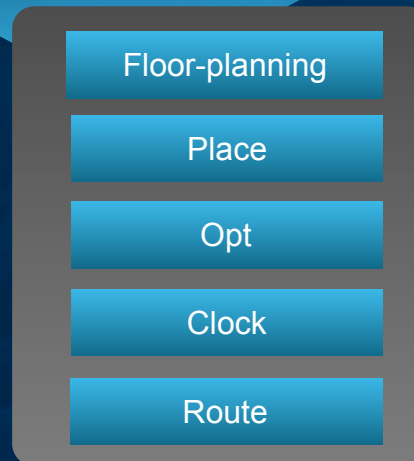
Mobility



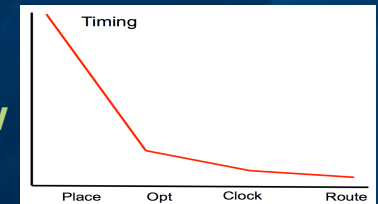
3.3 ZB traffic
with 25% CAGR

Cloud Computing

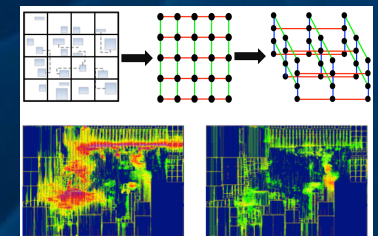
INNOVUS



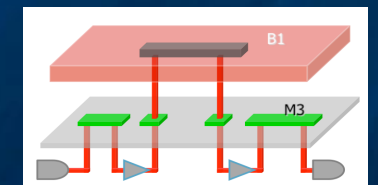
Smooth Flow



Super-fast
algorithms
(routing)



Interconnect
synthesis



Zhuo Li cā dence®

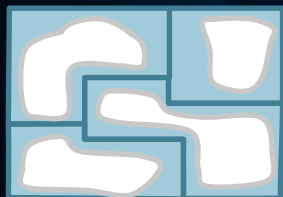
Digital Chip

10nm

16/14nm

22/20nm

Greener, faster, smaller
100 -> 500 blocks
> 1 billion transistors
Heterogeneous layers



10% Area
reduction
5 days → 1 day



5-10M+ instance
Up to 10x tat gain
10-20% better PPA