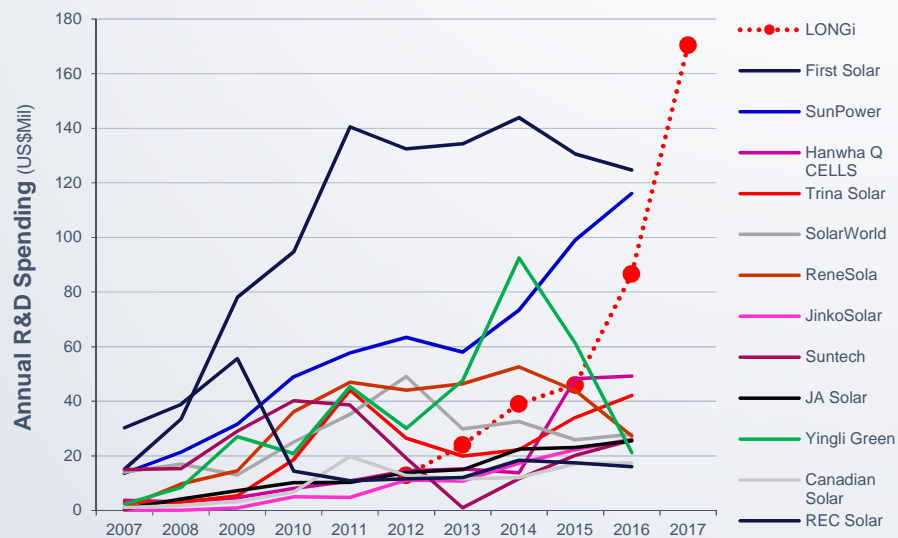
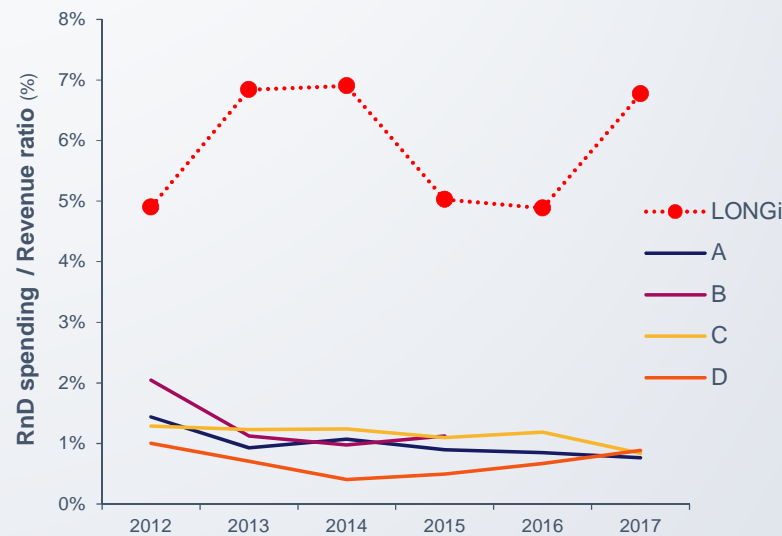


# CONSISTENT INVESTMENT IN R&D

R&D Spending by PV Manufacturers



R&D Spending as 7% of Revenue

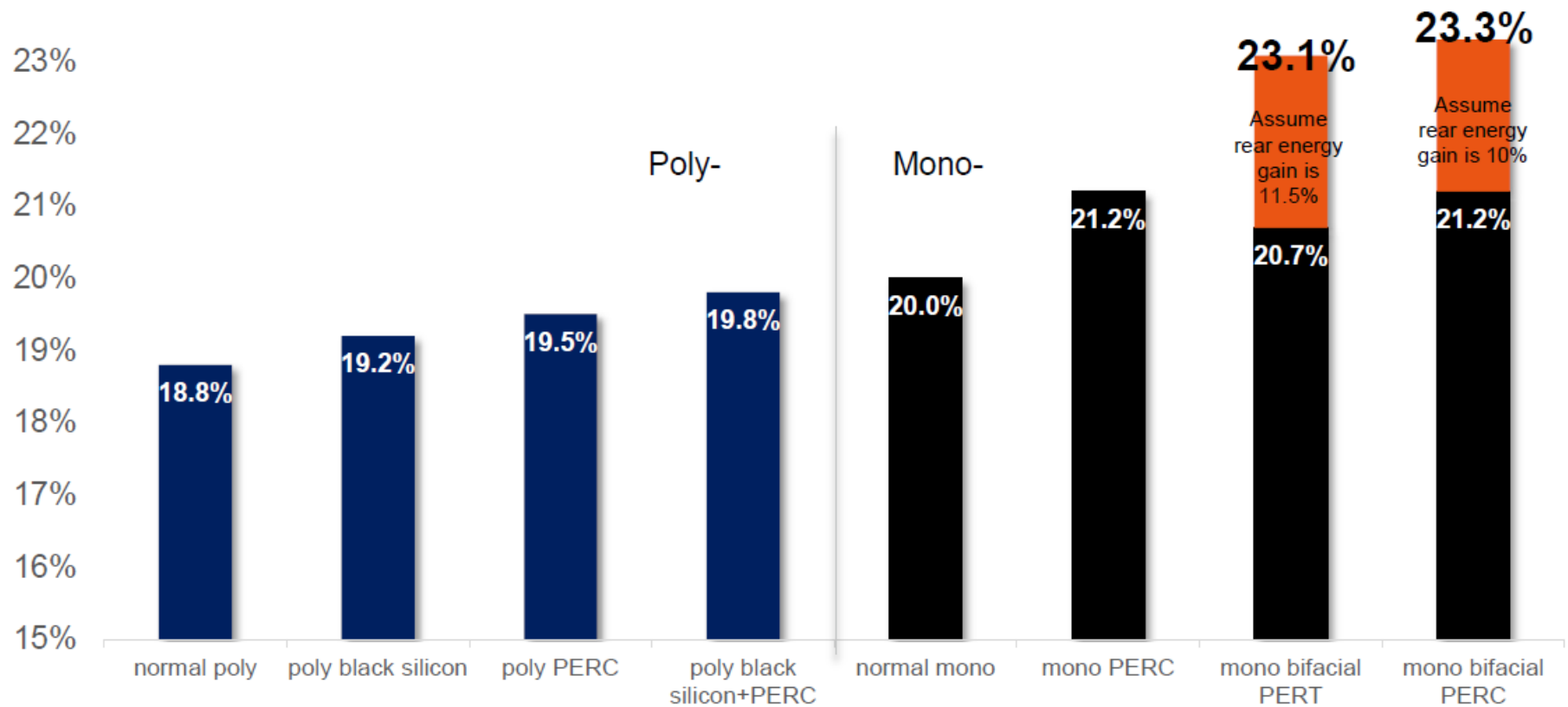


Data source: Individual annual report

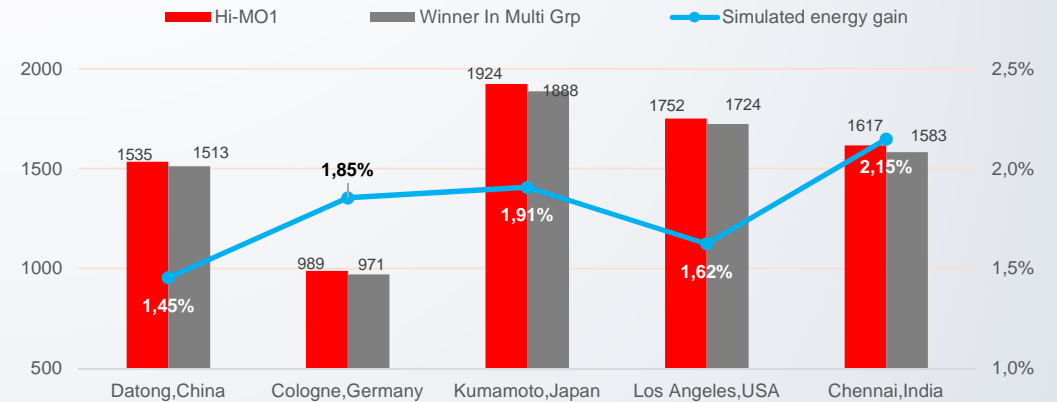
Technology strength is realized through consistent investment in R&D, to develop products with leading performance at lower cost

# EFFICIENCY BY TECHNOLOGY

PV cell efficiency in Mainstream Market



# YIELD BY TECHNOLOGY



- TUV Rheinland established module PAN file with performance measurement under different irradiance, temperature and incident angle using **randomly selected module** samples from production shipment
- Simulated energy yield in five different cities globally

**LONGi PERC module has been ranked No. 1 in TUV Rheinland energy yield simulation for two consecutive years**

# YIELD COMPARISON

