

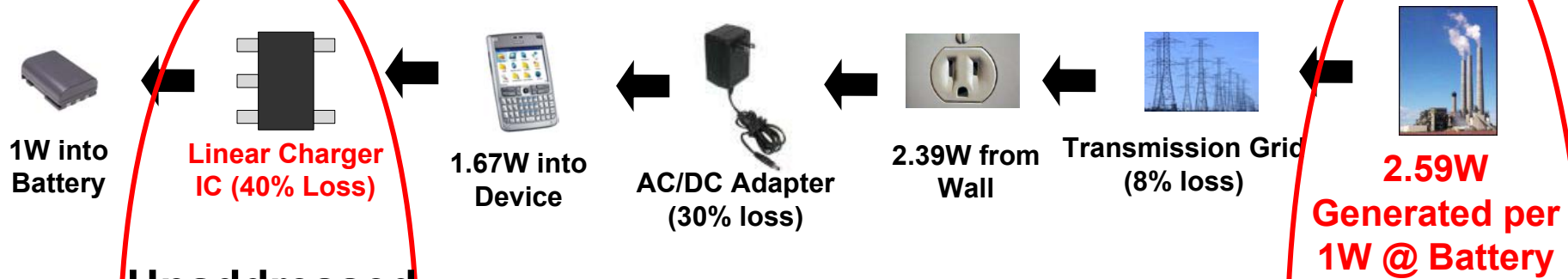
SUMMIT Microelectronics Inc.

*Programmable Power for a **Green Planet**™*

- **Global Mobile Device installed base is large and growing fast**
- **Mobile system power usage is increasing rapidly with deployment of feature-rich devices (3G, Data, Multimedia, etc)**
- **Battery capacities and charging power are growing along with features and power usage (to maintain run-times)**
- **Inefficiencies in the “Mobile Power Chain” can no longer be ignored as a major component of global power usage**
- **“Green” initiatives can be implemented *immediately* using Summit’s battery charger IC technology to recover these inefficiencies thus reducing energy waste and carbon footprint**
- **Even more power savings can be realized *indirectly* through the use of Summit technology in conjunction with the adoption of new AC/DC wall adapters**

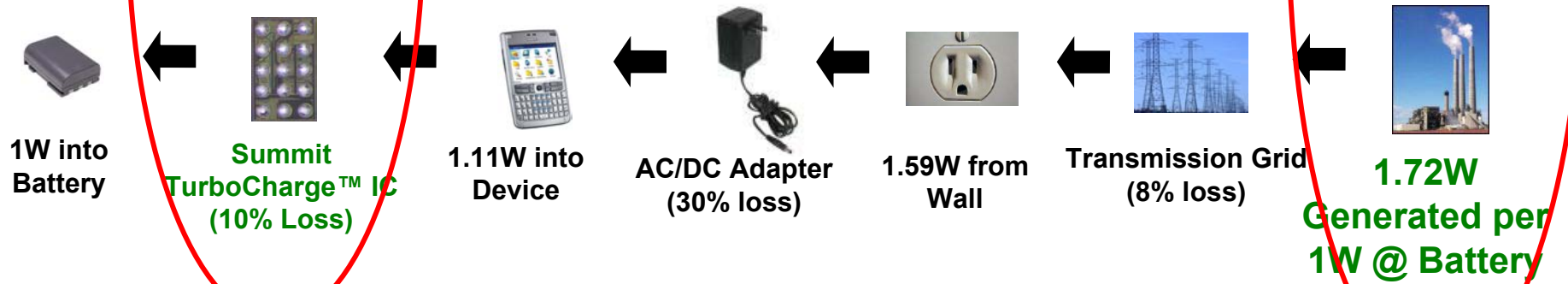
The Mobile Power Chain

Today's power chain



Unaddressed Opportunity

Summit power chain



Rechargeable Mobile Devices are creating a global problem.
Summit TurboCharge™ IC technology yields major benefits today.



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Product efficiency

Nokia's mobile devices

For mobile devices in general, energy consumption during active use and when idle is already largely optimized due to mobility and the restrictions of available battery capacity, and accounts for about one third of a mobile device's total lifetime energy consumption. Of this, one third is used when charging a mobile device's battery and two thirds when the charger is unplugged from the mobile device but is still drawing on the mains – a charger's no-load energy consumption.

From an energy saving perspective, a charger's no-load energy consumption is an important issue. The average no-load energy consumption of Nokia chargers is about 300mW, with Nokia's best-in-class chargers being around 150mW.

Average no-load figures based on charger models/volumes sold in specific year



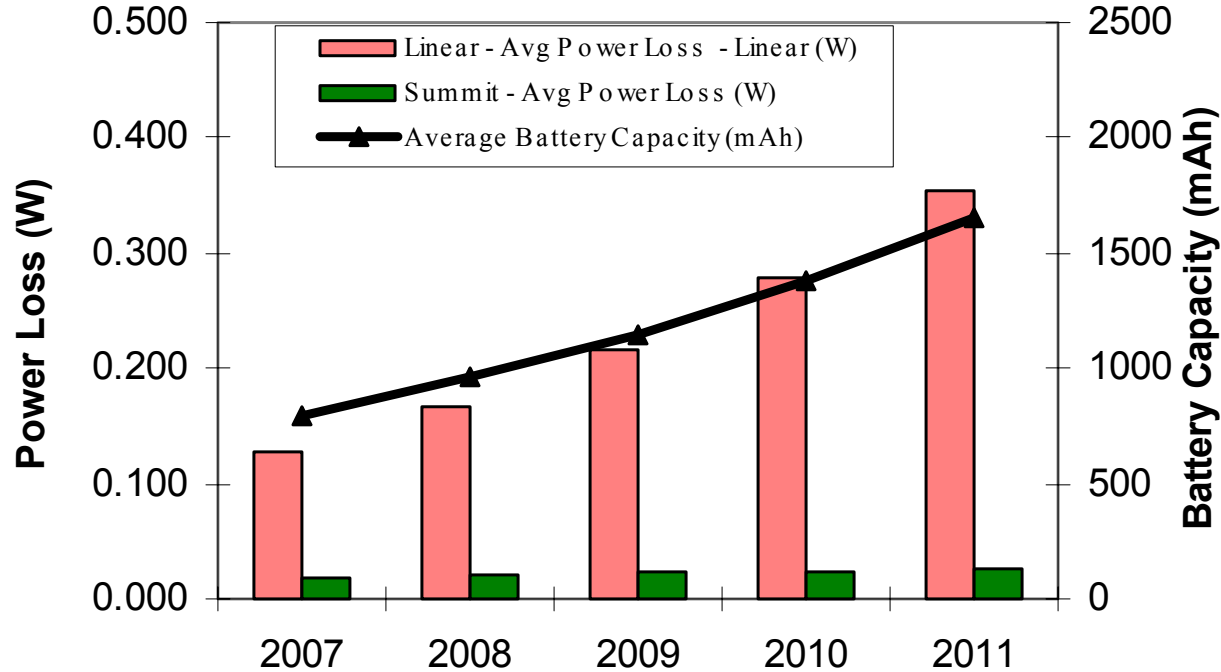
0.3W has been established by the EC Code of Conduct on Energy Efficiency

Just 75mW is a big deal in power savings!

Nokia has set the target to reduce the average no-load consumption of its chargers by 50%, and the no-load consumption of its best-in-class chargers to close to zero, by 2010. Nokia will equip its first devices with reminder alerts for consumers to unplug chargers once the battery is recharged, in 2007.

*From Nokia website

**Summit Avg. Power Savings
vs. Linear Charger IC's**

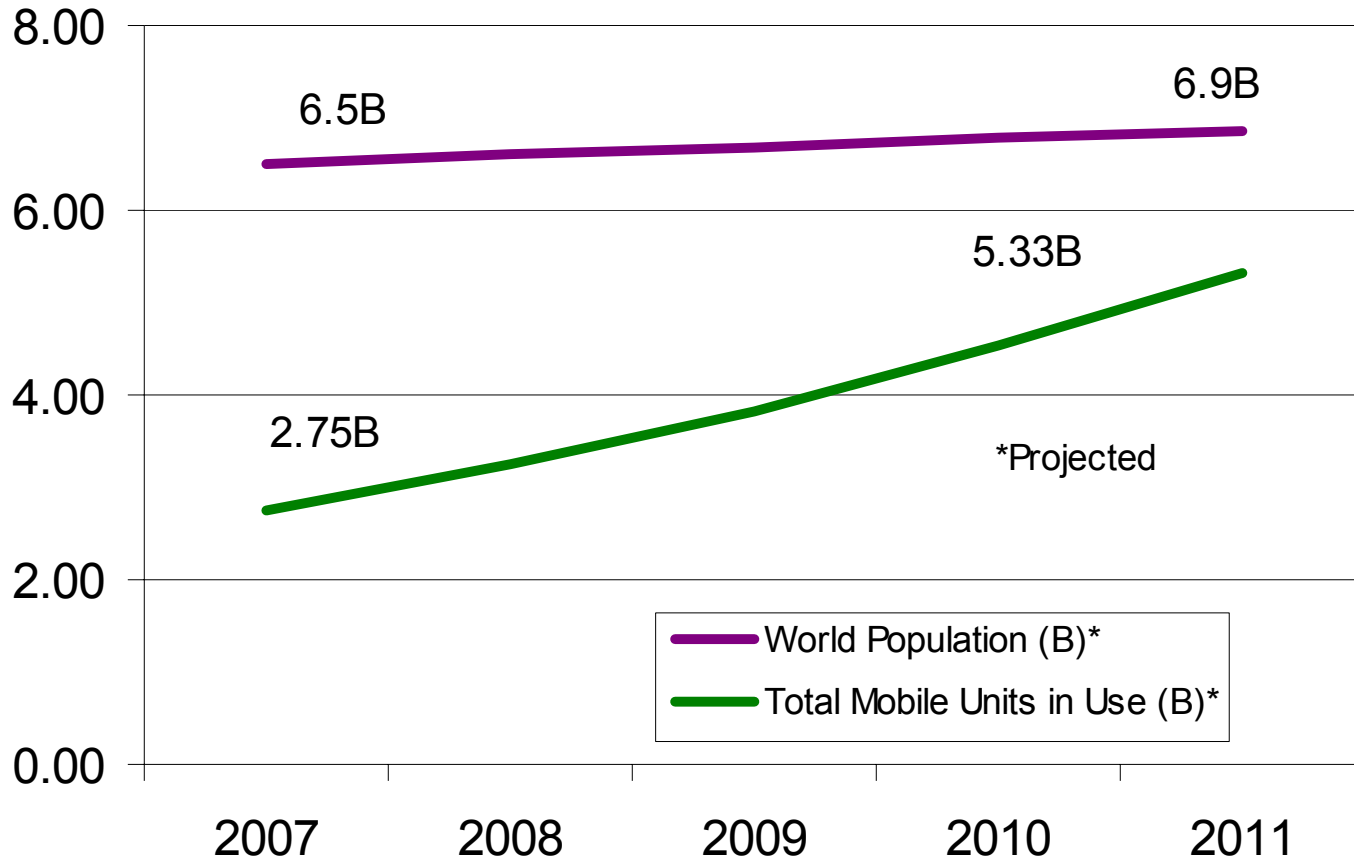


Summit provides:

**Up to 320mW
power savings!**

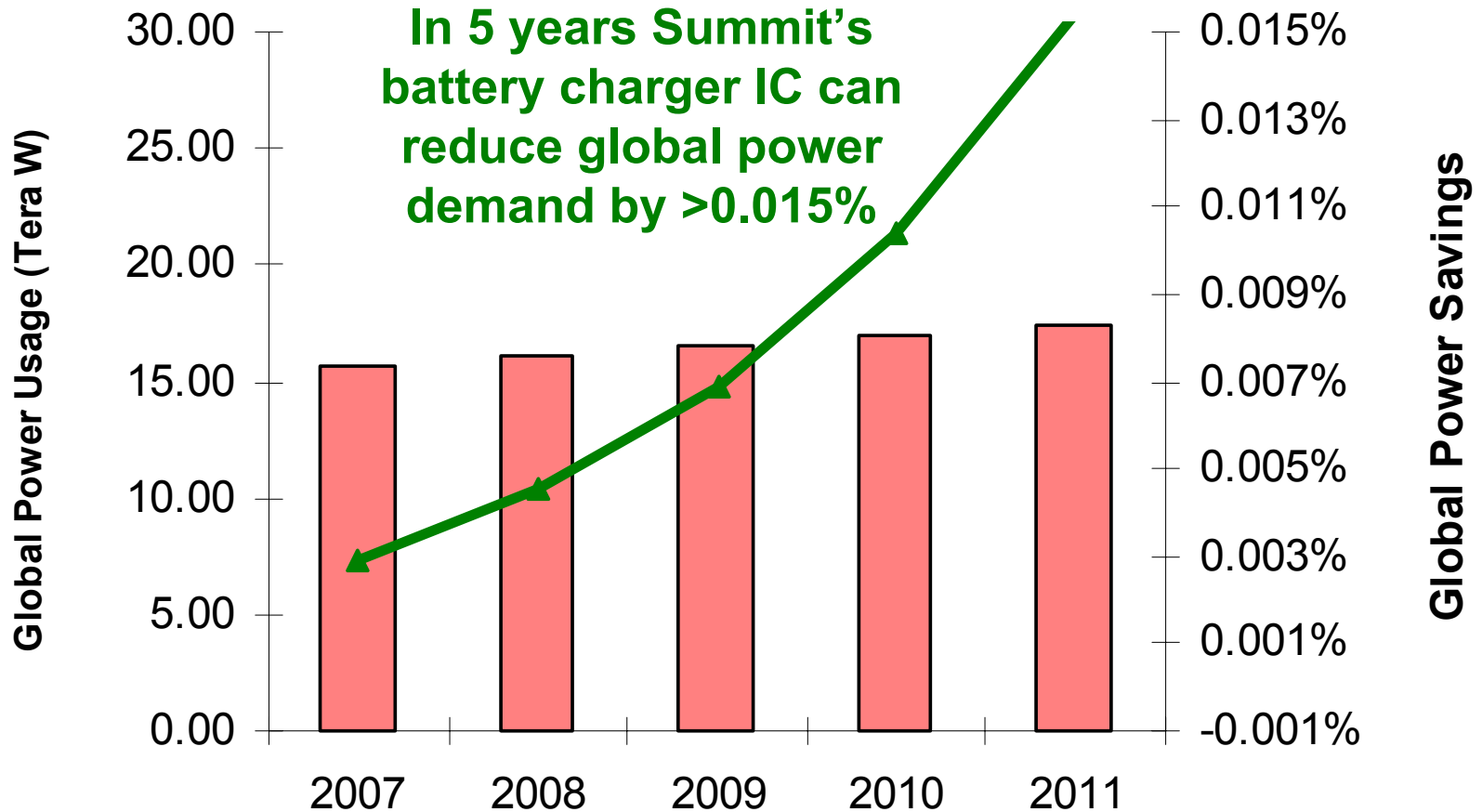
**2x to 3x faster
charge time!**

Global Population/Device Trends



**Global Energy
Impact of Mobile
Devices is
Growing Fast!**

Summit Direct Global Power Savings %



0.015% of global power is...



5 x 1000MW
Nuclear Plants

OR



9 x 500MW
Coal Plants

OR



41 Million
Barrels of Oil/Year

AND



23 Million Tons
CO₂ Emissions/Year
from Coal Plants

Directly Saved!

For more information see

www.summitmicro.com/MobileGreen