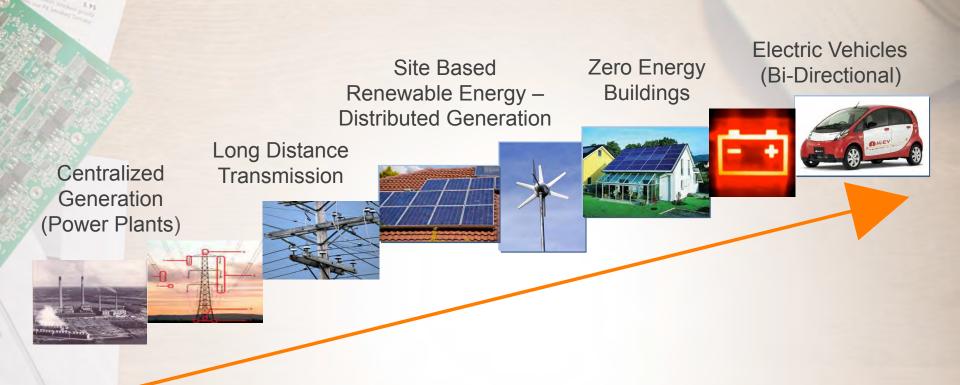


The Evolution of Distributed Electrical Power



1860s

All Inductive & Resistive Loads

1970s

1980s

1990s

DC Semiconductors ⇒ Power Electronics

2000s

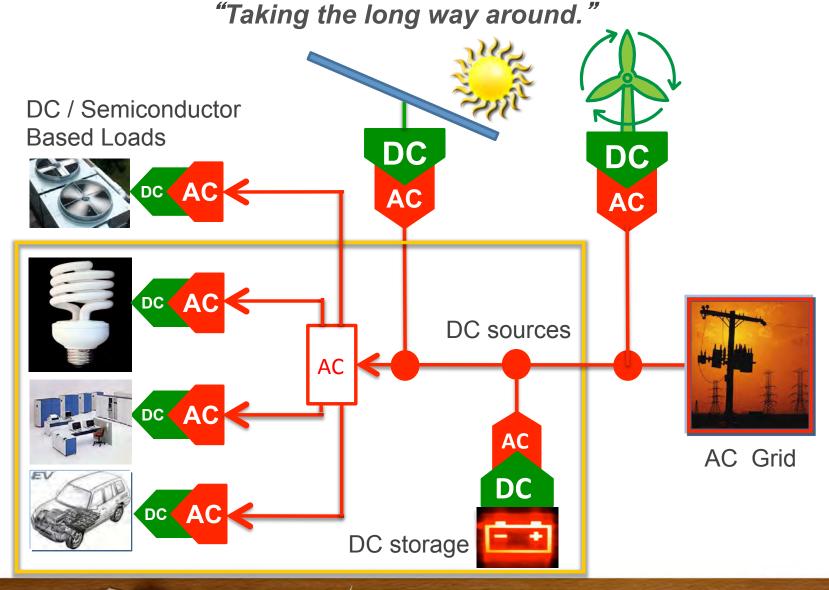


Today

80% of all AC electricity is used by DC based power electronics

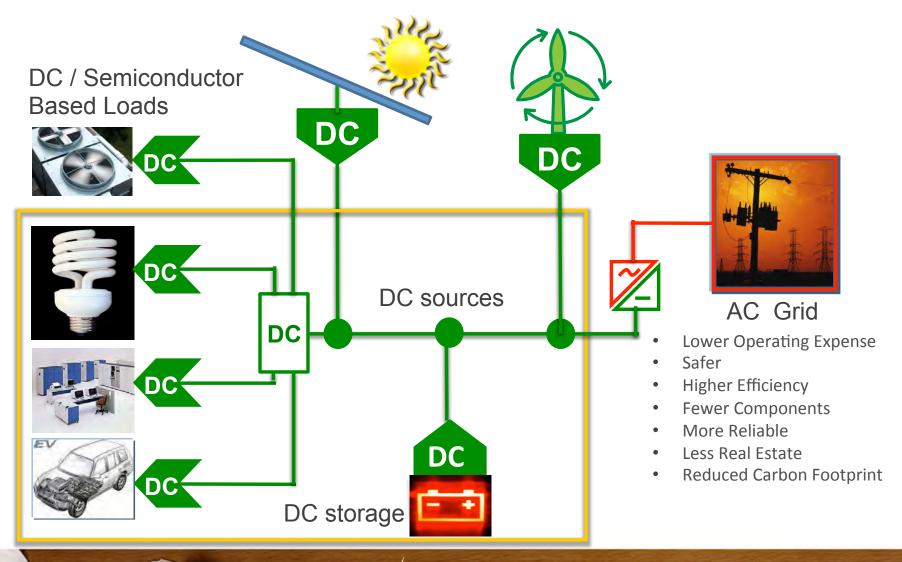


Too Many Inefficient Power Conversions





Direct Coupling® /DC Microgrid SIMPLE EFFICIENT DIRECT





Rapidly Expanding DC Domain Segments















PARADIGM SHIFT AHEAD

A Gigantic Opportunity Emerges: Wholesale Transformations in

Buildings
Controls – Displays
Lighting

Computing
Bigger Cloud - more
Thin Clients - IoT

Vehicles
Drivetrain –
Charging Infrastructure

Developing World
DC microgrids for energy access

Solid, Understandable ROI Foundation

- Power Use Efficiency 10% to 40%
- Power Storage 15% to 35%
- Save Time, Increase Safety, Reliability
- Increase warranty to 10 years
- Lower change-over cost to almost 0
- Lower wireless control cost 90% psf
- Lower the installed cost of lighting by 30% with solar PV

FROM ONE PLATFORM, MANY PRODUCTS

(experienced AC to DC product translation services for customers like)

Armstrong



TOP 5
GLOBAL
AUTO

TOP 5
NATIONAL
RETAILER



Governing Members



CEILING SYSTEMS

















D legrand

































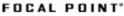




















intel

The IEEE Pilot in Haiti





\$0.01/per person/per day



Electrically Less Dense; Essentially the Same

