Infineon to acquire Wolfspeed

Investor Presentation 14 July 2016



Powering the future



- 1 Key facts
- 2 Deal rationale
- 3 Strategic fit
- 4 Financial fit
- 5 Summary



Key facts of the deal

Transaction perimeter:



CREE \$'s

SiC wafer substrate business (excluding LED)

Purchase price: US\$ 850m

Transaction type: cash and debt free

Financing: US\$ 720m bank loans

US\$ 130m cash-on-hand

Signing date: July 13, 2016

Expected closing date: ~ end of calendar year 2016



Key facts about the acquired business

Recent performance:

Revenues of US\$173m in the twelve months ending 27 March 2016

Outlook:

Revenue CAGR of ~20% and gross margin* of ~55% expected going forward

Core competence in compound semiconductors:

- SiC**-based products for power applications
- GaN-on-SiC***-based products for radio-frequency (RF) power applications
- SiC wafer substrate business; third party business will be continued

Market position:

Power: #1 in SiC

RF power: #2 in GaN-on-SiC

Profile:

- More than 28 years part of Cree
- Headquartered in Research Triangle Park (North Carolina), USA
- → ~550 employees worldwide, thereof ~500 at two major US sites
- Strong IP portfolio of ~2,000 patents and patent applications

** SiC = silicon carbide

*** GaN-on-SiC = gallium nitride on silicon carbide

^{*} According to US GAAP, excluding effects from purchase price accounting;



- 1 Key facts
- 2 Deal rationale
- 3 Strategic fit
- 4 Financial fit
- 5 Summary

infineon

Deal rationale

Margin and adjusted EPS accretive from day 1

Expected gross margin*:

55%

Incremental revenue CAGR:

20%

- Become #1 in RF power
- Create #1 in SiC power
- further strengthen automotive and industrial businesses
- accelerate SiC adoption
- expand power semi market beyond Si

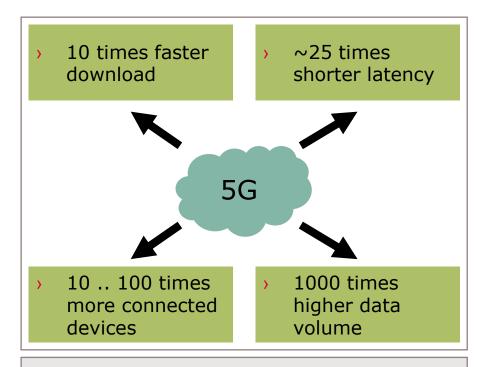
^{*} According to US GAAP, excluding effects from purchase price accounting

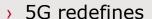


- 1 Key facts
- 2 Deal rationale
- 3 Strategic fit RF power
- 4 Financial fit
- 5 Summary

5G redefines global connectivity: high bandwidth and speed enabled by SiC







- automotive connectivity
- manufacturing concepts (Industry 4.0)
- transportation systems
- energy networks
- healthcare monitoring

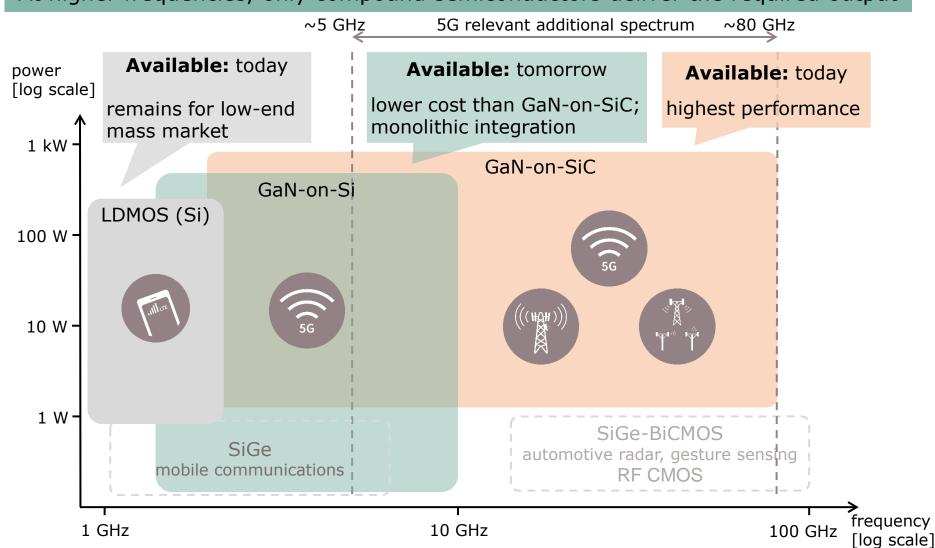


mission critical connectivity

Compound semiconductors are a necessity to deploy 5G cellular infrastructure



At higher frequencies, only compound semiconductors deliver the required output



Infineon is the only player with the full suite of RF power technologies necessary for 5G



Infineon today

Si

GaN-on-Si

- #3 in RF power* (Si-based LDMOS)
- GaN-on-Si under development
- Superior package know-how
- System/application know-how
- Prime access to global base station customers

Acquired business

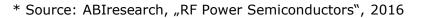
GaN-on-SiC

- #2 in GaN-on-SiC*
- Sole vertically integrated vendor
- SiC substrate wafer production

Infineon in future

RF power

- Most comprehensive portfolio
- Cost-performance leader in GaN RF components
- Optimization across substrate, component and system



position

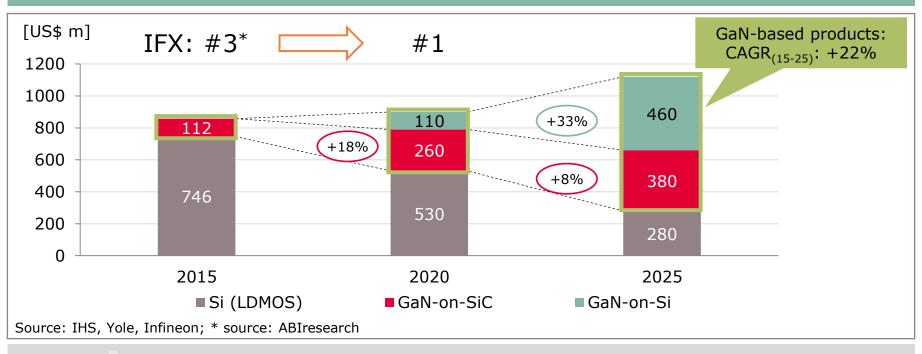
Competitive

⁺

Technology roll-over paves the path to global #1 in RF power by ~2020



RF power market for cellular infrastructure



Today: GaN-on-SiC for high-end LTE and 4.5G (up to 6 GHz)

2018: GaN for 4.5G (up to 6 GHz)

2020/21: GaN for 5G large-scale deployment



- 1 Key facts
- 2 Deal rationale
- 3 Strategic fit Power
- 4 Financial fit
- 5 Summary

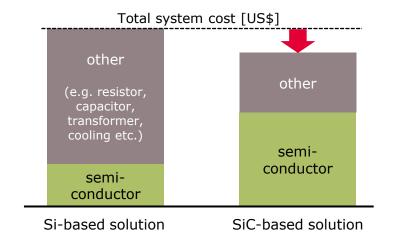
Compound semiconductors allow for novel topologies increasing the semi market



Silicon carbide components offer benefits on system level (e.g. in solar inverter)

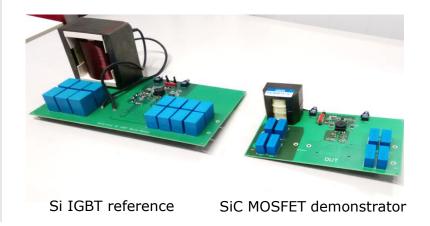
Reduction of cost, higher semi-value:

- 15 to 20% lower bill of material for inverter manufacturer
- 2x to 3x higher semiconductor content as compared to Si-based design
- ~1.5%-points additional growth on top of Si-based industrial semiconductor market



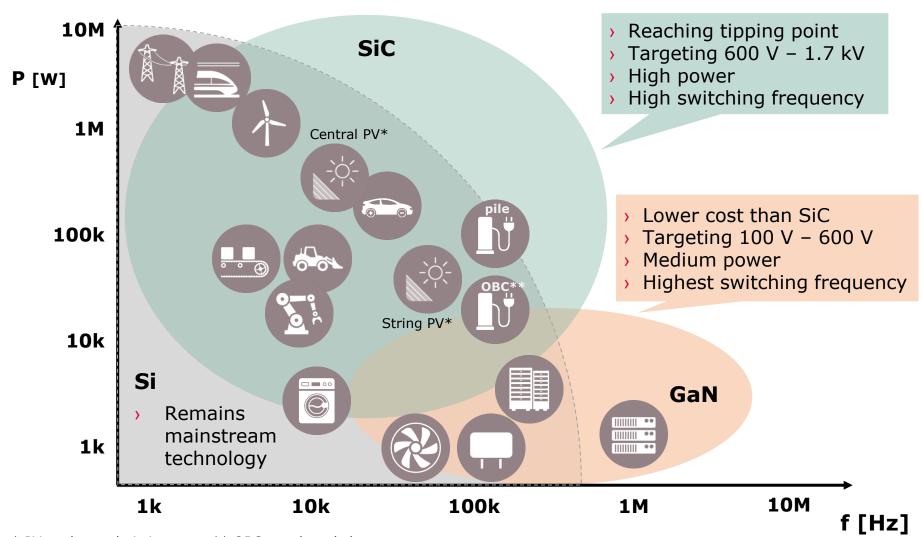
Reduction of system size:

- SiC allows for simpler topologies (2-level instead of 3-level) with less control effort
- SiC allows for higher switching frequency with smaller transformers
- Handling of same power in smaller box size results in significant cost reduction



GaN and SiC enable higher efficiency through faster switching with lower losses than Si





^{*} PV = photovoltaic inverter; ** OBC = onboard charger

Further strengthening cost-performance leadership in power semiconductors



Infineon today Si GaN-on-Si SiC

- > #1 in Si* with relative market share of >2.7
- Technology leader
- #2 in SiC**
- Trench MOSFET
- Industry-leading system and application know-how
- Industry-leading package and module know-how
- Global sales force and customer access across all applications

Acquired business

SiC

- > #1 in SiC**
- > Planar MOSFET
- Vertically integrated
- Substrate business

Infineon in future

Power

- Stronger leadership in power semis
- Cost performance
 leadership
 in all tech nologies
- Vertically integrated in SiC, allowing optimization from system to substrate

position

Competitive

^{*} Source: IHS Markit; ** source: Yole

Infineon accelerates the silicon carbide market with cutting edge products



- 0
- Leverage Infineon's global customer access and application know-how on Wolfspeed's SiC product portfolio
- 2
- Combine Wolfspeed's technologies with Infineon's superior packages and modules
- 3
- Optimize products across substrate, device and application

 Lower system cost triggers faster introduction of SiC-based components in early-adopter markets and creates additional semiconductor opportunity









Silicon carbide can help accelerate the adoption of plug-in (hybrid) electric vehicles



SiC onboard charger

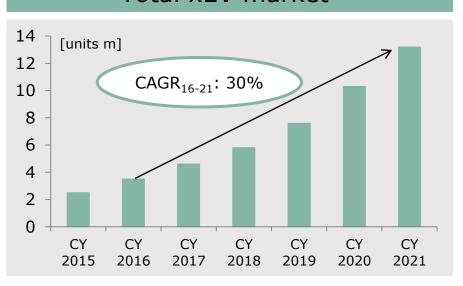
- Smaller form factor
- Lower cooling effort

Onboard Charger Main Inverter

SiC main inverter

- Higher efficiency higher reach
- Smaller form factor
- Lower cooling effort

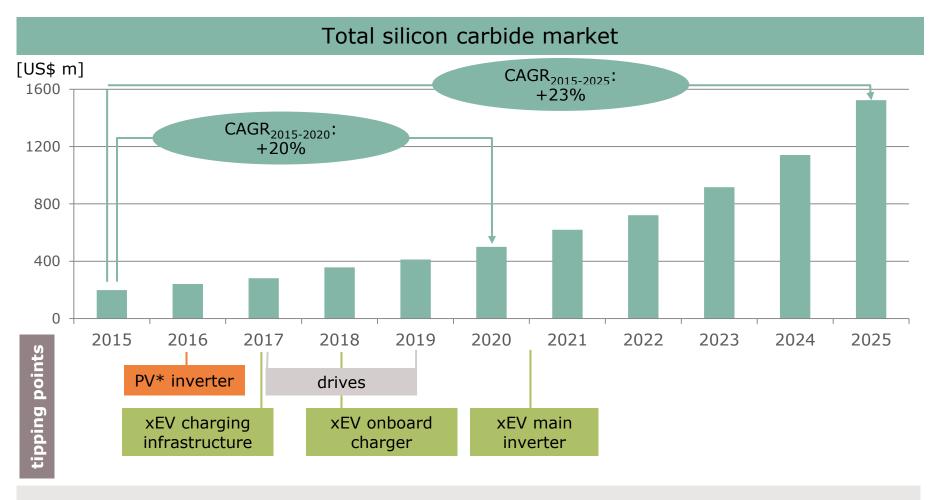
Total xEV market*



^{*} Source: IHS Markit, "Alternative Propulsion Forecast", Jan 2016 (includes BEV, PHEV, HEV, mild-hybrids)

Electro-mobility, photovoltaics and drives trigger demand for SiC-based components





Roll-over driven by multiple tipping points

Source: IHS, "SiC & GaN Power Semiconductor Report – 2016", 2016; * PV = Photovoltaic



- 1 Key facts
- 2 Deal rationale
- 3 Strategic fit
- 4 Financial fit
- 5 Summary

Transaction is expected to be margin and adjusted EPS accretive from day 1



Gross margin*:

55%

Revenue growth CAGR:

20%

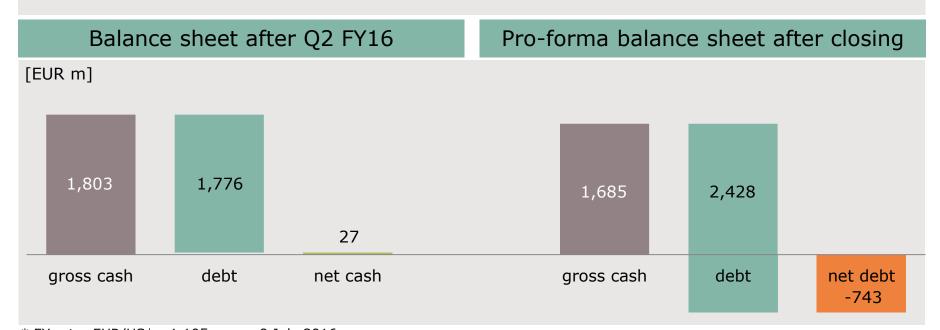
- Fits perfectly into Infineon's growth and margin expansion strategy
- Supports 8% long-term revenue growth target

^{*} According to US GAAP, excluding effects from purchase price accounting

Solid balance sheet after cash-/debt-financed transaction



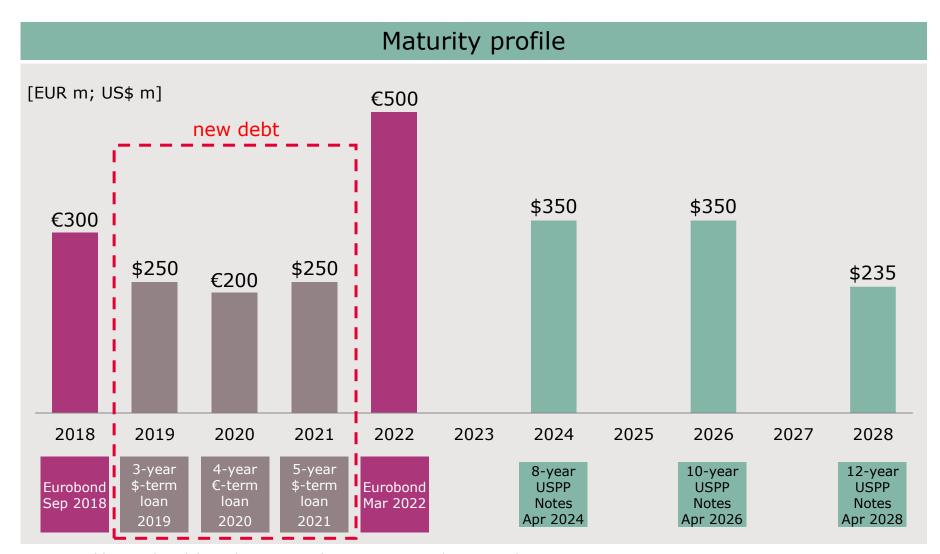
- Financed with US\$720m (~€652m*) of new debt, plus US\$130m (~€118m*) cash-on-hand
- Bank financing split into different maturities:
 - 3-year, 4-year, 5-year
 - largely US\$-denominated



^{*} FX rate: EUR/US\$= 1.105 as per 8 July 2016

Deal is preserving Infineon's well balanced maturity profile





Note: In addition other debt with maturities between 2017 and 2023 totaling €149m.



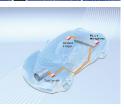
- 1 Key facts
- 2 Deal rationale
- 3 Strategic fit
- 4 Financial fit
- 5 Summary



Summary of deal rationale









GM 55%* CAGR 20%

- Become #1 in RF power amplifier market by ~2020 with most complete technology portfolio by capitalizing on technology disruption in cellular infrastructure
- #1 in silicon carbide for power, strengthen automotive and industrial and accelerate market introduction with cutting-edge products as cost-performance leader and create thereby a higher addressable market for Infineon
- Deal is margin and adjusted EPS accretive from day 1 with expected 55% incremental gross margin* and 20% incremental revenue growth of the acquired businesses

^{*} According to US GAAP, excluding effects from purchase price accounting



Part of your life. Part of tomorrow.

