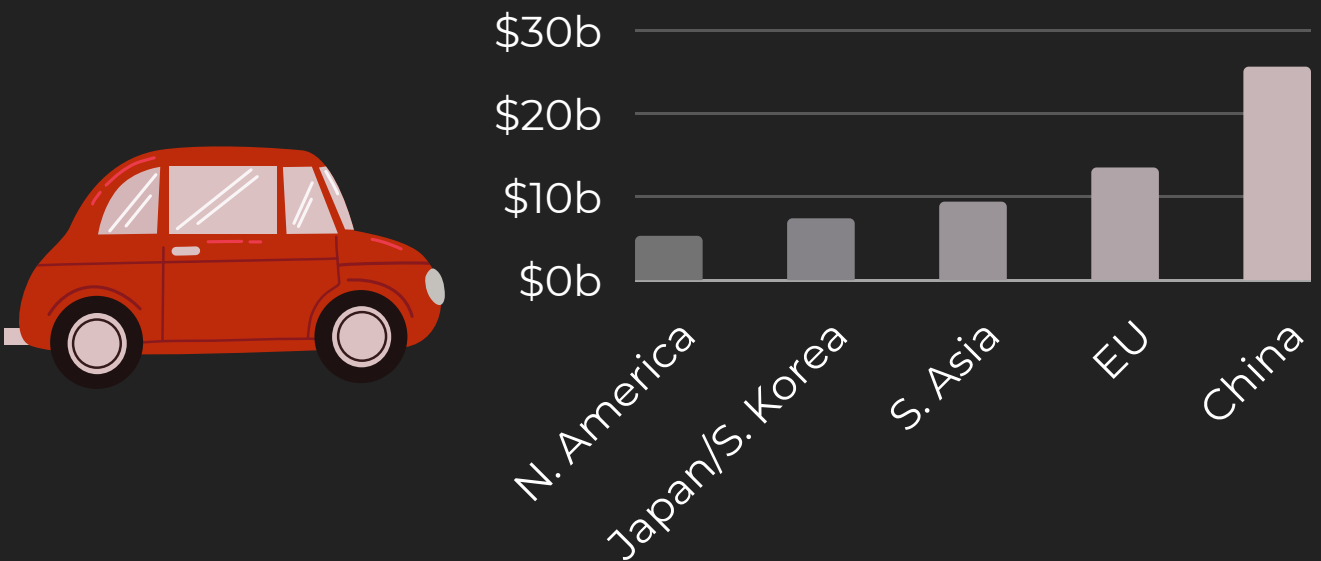


# AUTOMOTIVE SEMICONDUCTOR SHORTAGE

Impacts to the market

## FORECAST 2021 REVENUE LOSS DUE TO CHIP SHORTAGES



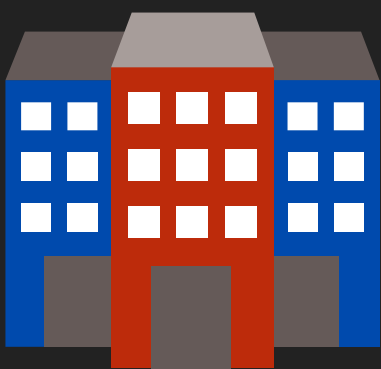
# 40%

OF A VEHICLE'S VALUE IS ELECTRONICS

PREDICTING \$61 BILLION LOST SALES IN 2021



PROBLEMS EXACERBATED BY THE OUTSIZE POWER OF A SINGLE COMPANY



# 56%

of global chip manufacturing revenue in Q4 2020 from one company

SHUT DOWNS AND SLASHED OUTPUT

628,000 CARS - 3% OF GLOBAL PRODUCTION - WILL BE KNOCKED OFF IN Q1 2021



DON'T JUST REACT...  
**SOLVE THE FUTURE.**

**CONVERGE**<sup>®</sup>  
AN ARROW COMPANY