

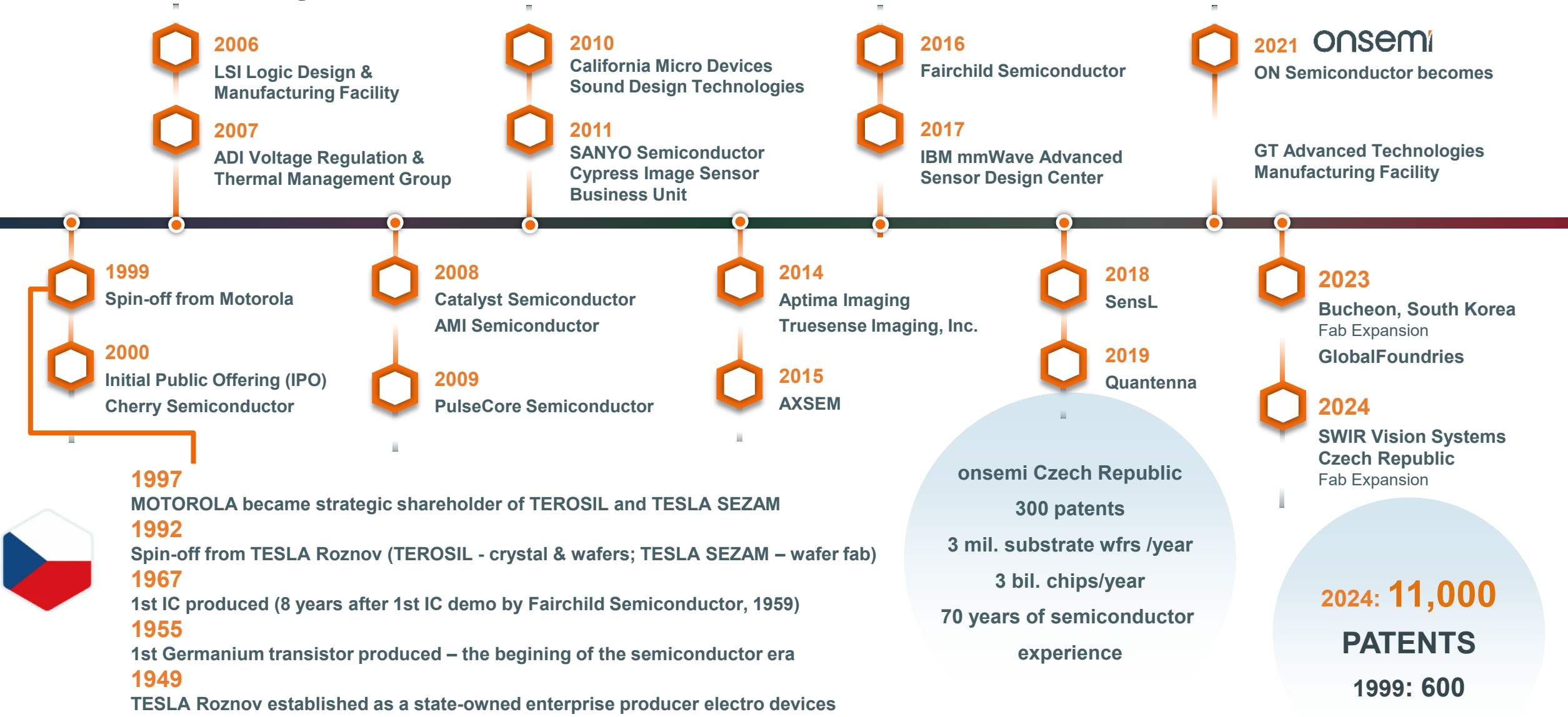


# onsemi Rožnov pod Radhoštěm

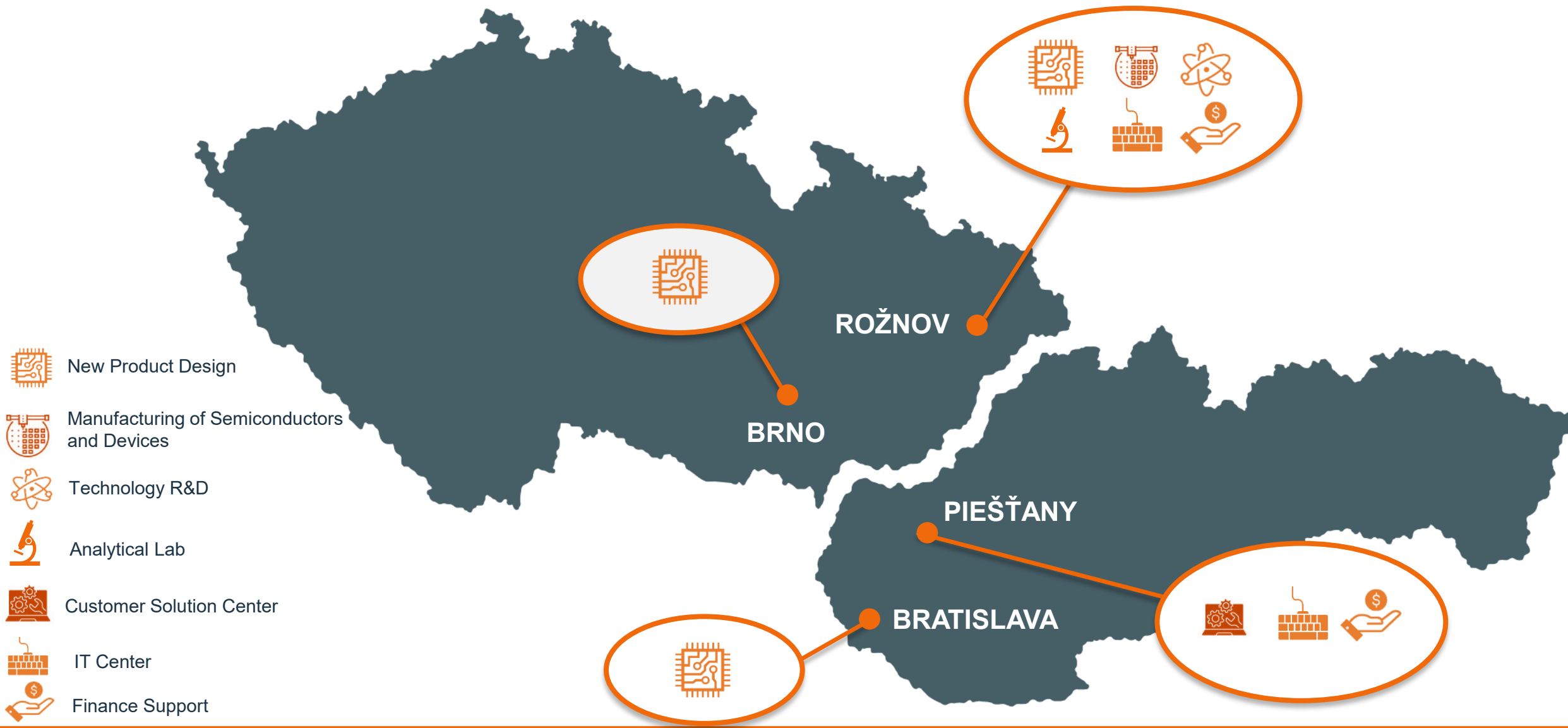
Introduction and excursion details



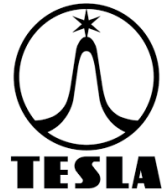
# onsemi: 26 years in a nutshell



# onsemi in the Central Europe



# onsemi in Roznov – Manufacturing History



1949



- State enterprise
- Eastern Europe markets
- 8 500 employees
- Equipment manufacturing
- Materials (poly, mono-Si)
- Wafer production
- Wafer fabs
- Assembly
- Design, Labs

1992



**MOTOROLA**

1993

2003



ON Semiconductor®

2005

onsemi™

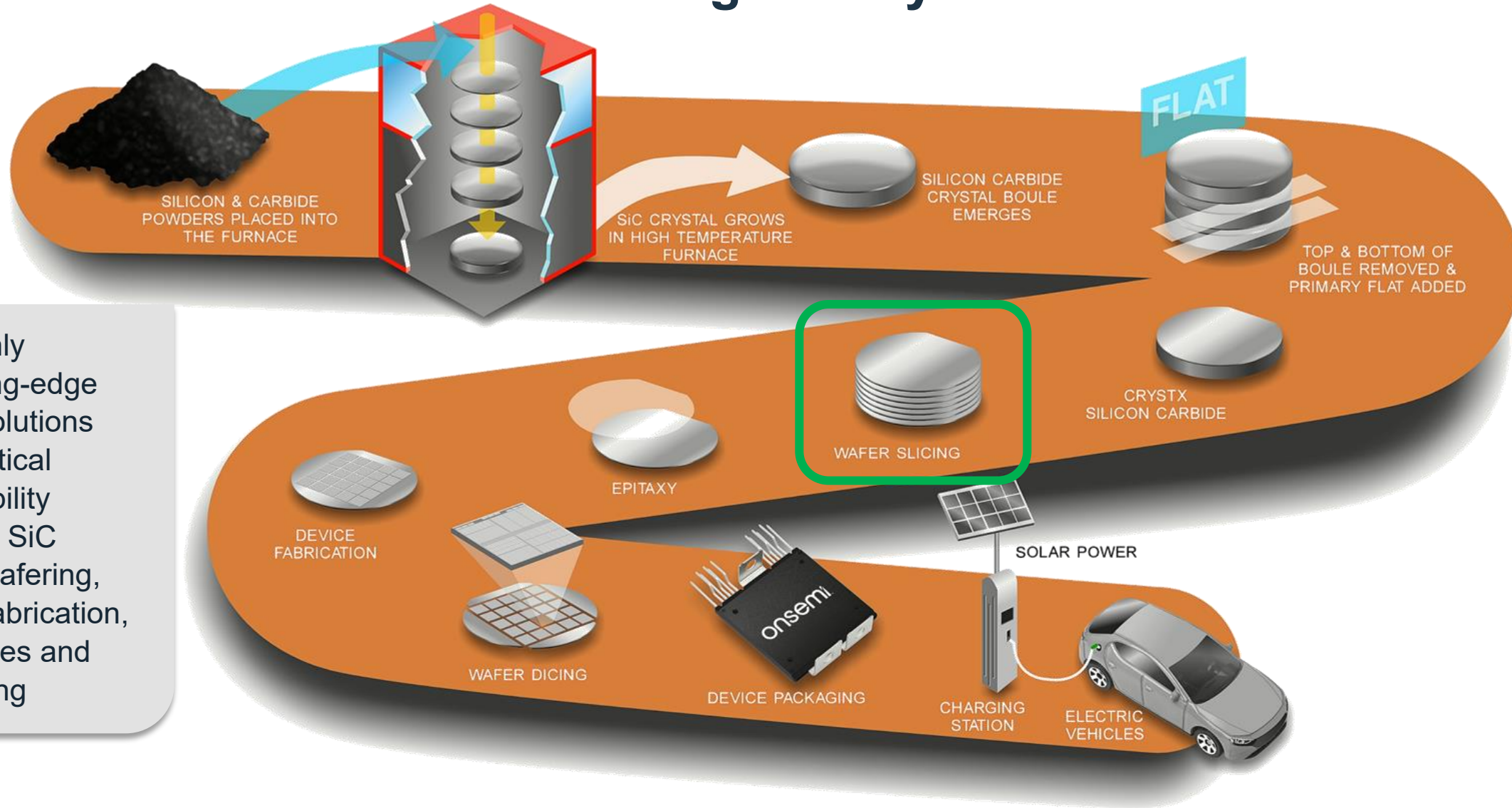
2022



- Privatization
- Motorola become strategic partner and majority shareholder
- Tesla Sezam – Wafer Fab expanded by transfers
- Terosil – Materials established epi wafers production
- SCG Design center established

- ON Semiconductor spin-off from Motorola
- Merger, local entity name change, ON Semiconductor become 100% owner
- Fab (CZ4) further expansion by transfers
- Wafer production (CZ2) extended to position of onsemi fabs key polished and epi wafer supplier
- Kick off SiC polished and EPI wafers and further expansion

# onsemi Silicon Carbide Manufacturing Life Cycle



**onsemi** is the only supplier of leading-edge silicon carbide solutions with scalable vertical integration capability including volume SiC crystal growth, wafering, epitaxy, device fabrication, integrated modules and discrete packaging

# SiC Wafer Production with KABRA Laser Splitting



# Excursion details

- Welcome at onsemi Czech Republic
  - Greetings by the Executive Management
- Manufacturing area visits:
  - Production of Silicon and Silicon Carbide Wafers
    - Polished Substrate and Epitaxial Wafers
  - Production of Semiconductor Devices (Wafer Fab)
    - 0.8  $\mu\text{m}$  to 3  $\mu\text{m}$  Bipolar IC's, Metal Gate CMOS, MOSAIC, and various PowerFET and IGBT Technologies
- Other area visits
  - Product Analysis Laboratory
    - Physical and Electrical Analysis, Reliability & Stress Testing, Customer Support
  - Design Center
    - Focus end markets: Power Management, AC-DC Controllers & Regulators, Linear Voltage Regulators, Power Discretes