

# **TELEFUNKEN**

***Semiconductors***

***TRADITION AND INNOVATION AT ONE PLACE***

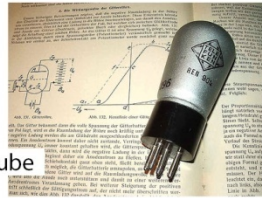
# History of Innovation

1903



1932, Telefunken's first television using CRT

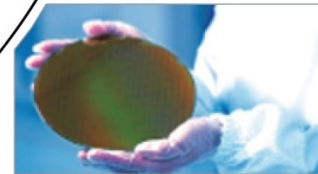
1928, V-41, First HI-FI 2 stage amplifier



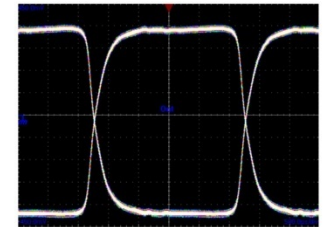
1930, Telefunken REN 904 vacuum tube

1960, Heilbron semiconductor fab opens

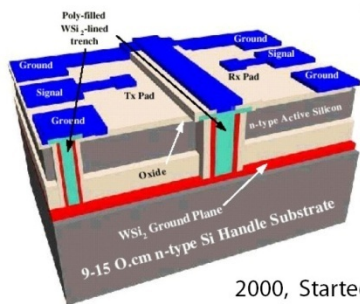
1950, V-72 Amplifier used throughout the music industry



1982, 4" Wafers produced at Heilbron



2010, Introduced Extended Common Mode LVDS



2000, Started SOI Production

1994, 6" Wafers produced at Heilbron

2009, Opened Design Centers in Dover, Hanover, and Los Angeles

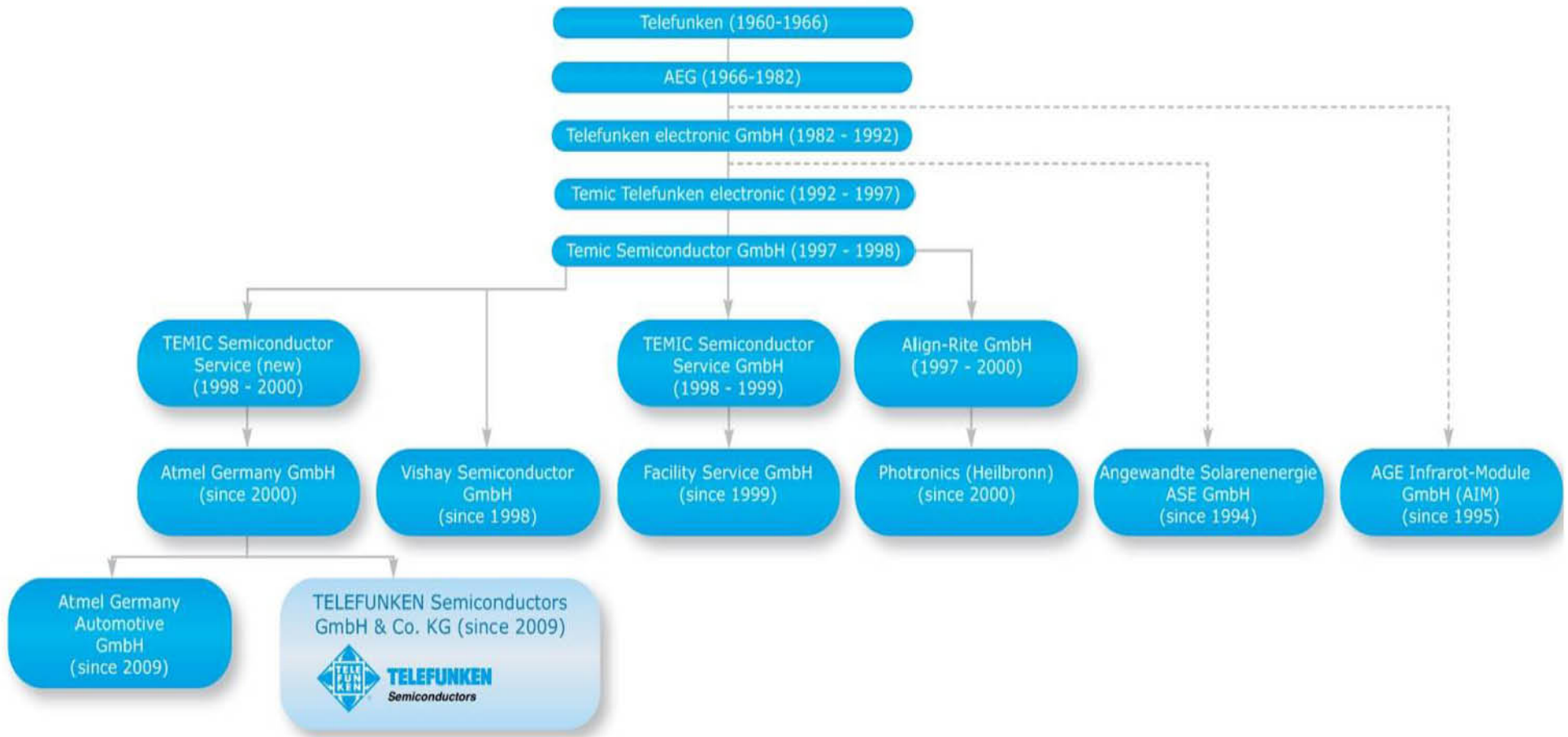


2011, Acquired Roseville 8" Fab,

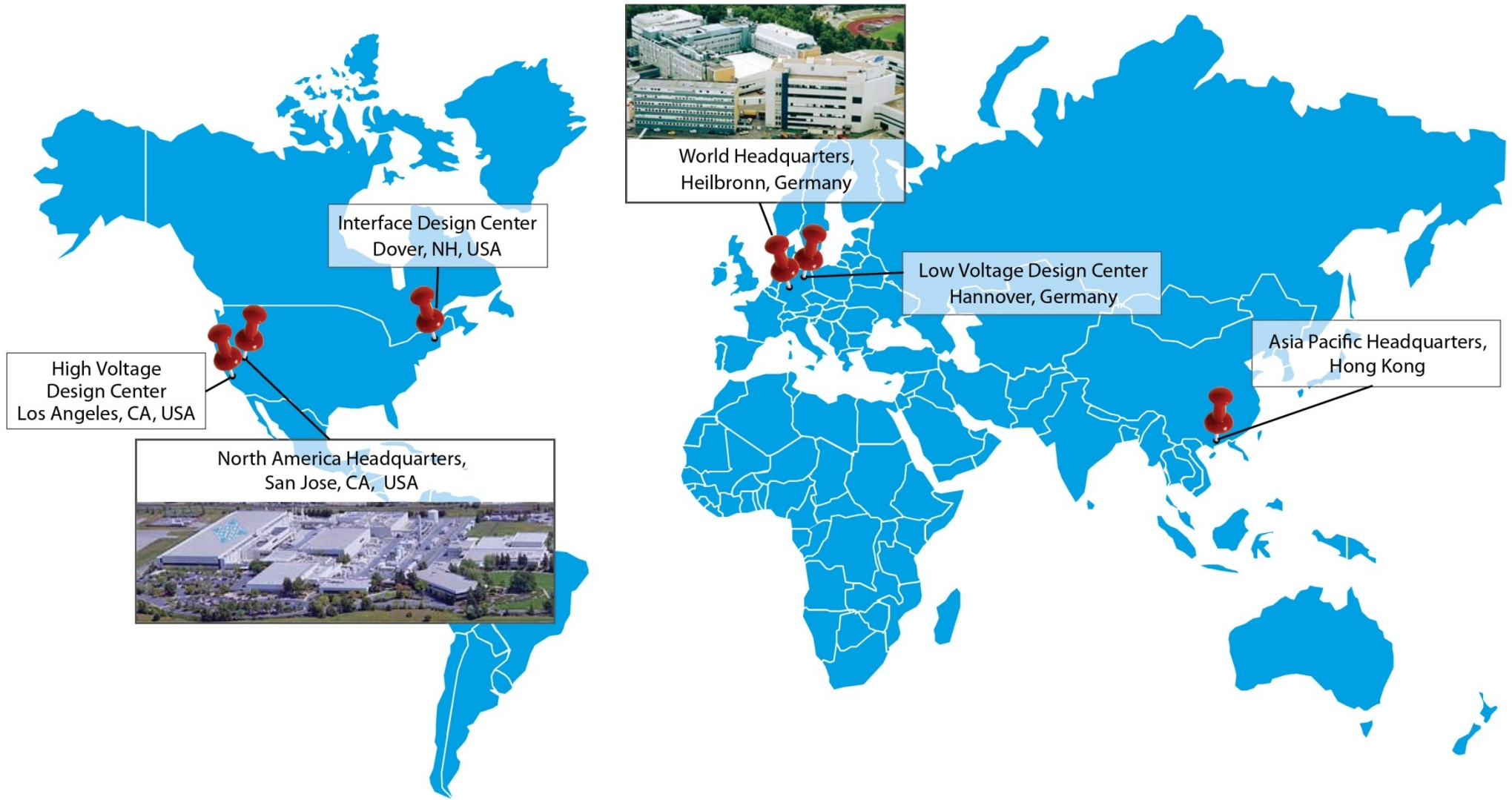
2012

# Overview

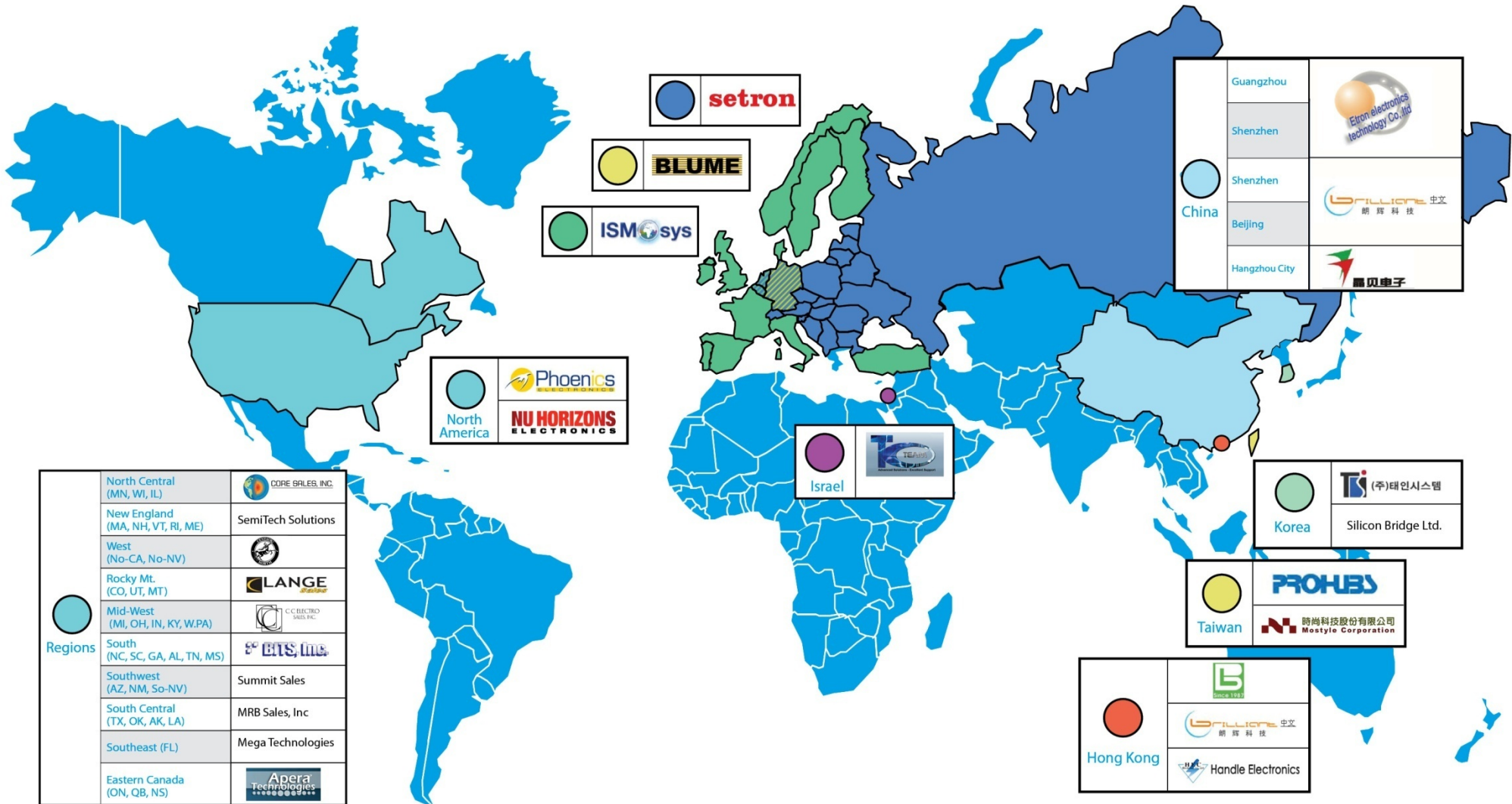
## From Telefunken to TELEFUNKEN Semiconductors from 1960 till today



# Facilities



# Representatives and Distributors



# Telefunken Fab Overview

**World class niche technologies in Smart-Power, Bipolar,  
High Voltage and High Frequency**



**Heilbronn Germany**

**Long-term, stable production of automotive products**

- 6" wafers
- 135,000 wafers per year
- ISO9001, ISO14001
- Automotive production
- 0.8  $\mu\text{m}$  to 0.35  $\mu\text{m}$
- Specialty analog & mixed signal
- 750V high voltage process
- Precision BCD Silicon-on-Insulator

# Telefunken 2011 New additional Fab

World class niche technologies in Smart-Power, Bipolar,  
High Voltage and High Frequency



Roseville, California

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- 8" wafers
- 120,000 wafers per year
- ISO9001, ISO14001
- Automotive production
- 130 nm
- US HQ