

# THE ASCATRON STORY

**30 year SiC in Kista**

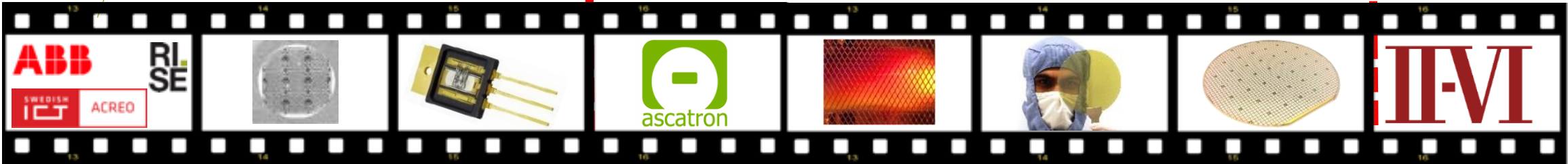
Andrei Konstantinov 2022-11-23

# HISTORY OF ASCATRON / II-VI KISTA

1993  
Establishment of SiC in Kista

2008  
JFET at 1200V/50A

2012  
Bipolar degradation free epi for  
Fairchild Semiconductort



Research

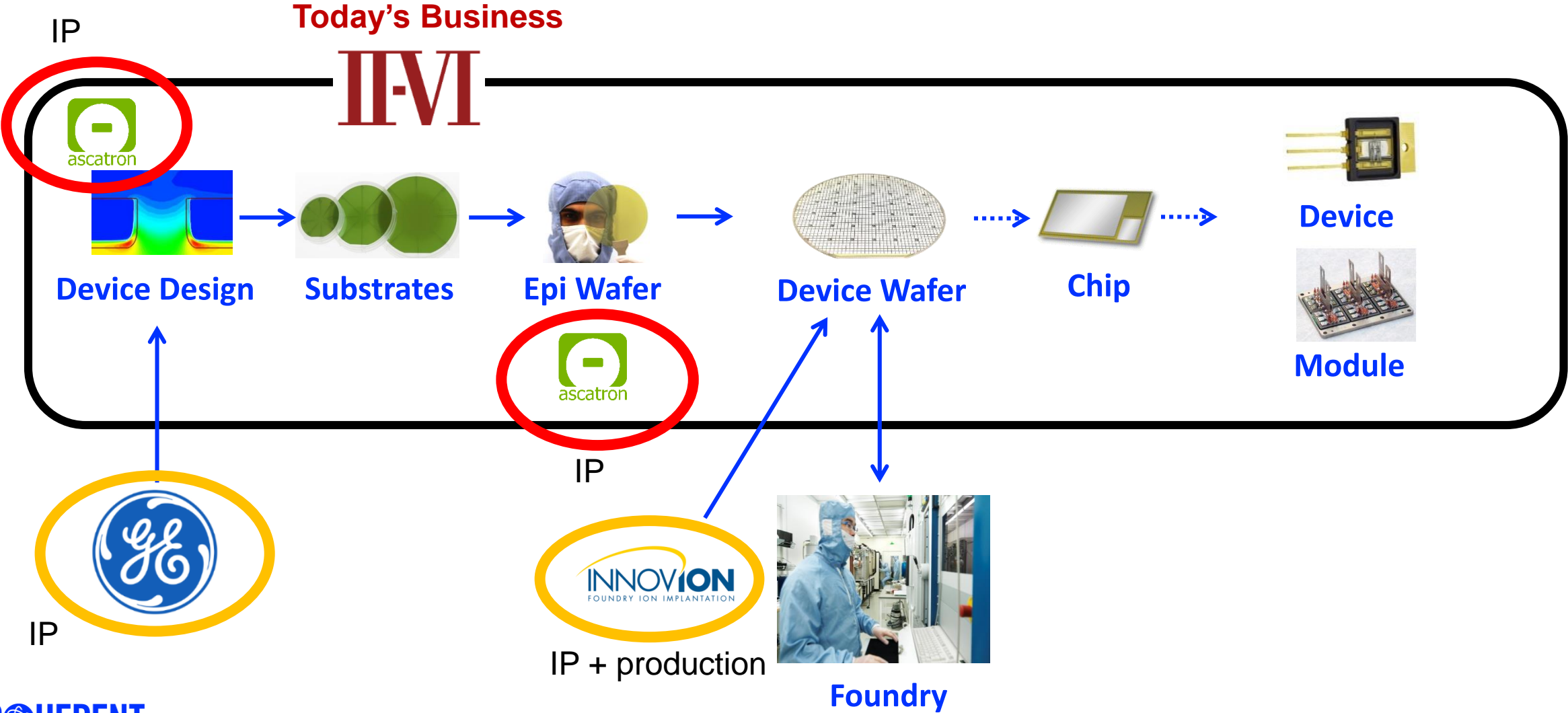
Valley of Death

Corporate

2011  
Establishment of Ascatron AB

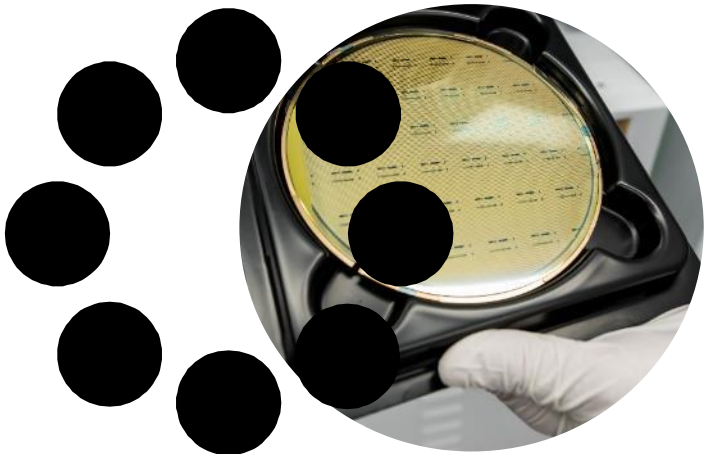
2020  
Acquired by II-VI Incorporated

# SIC POWER BUSINESS MODEL: VERTICAL INTEGRATION

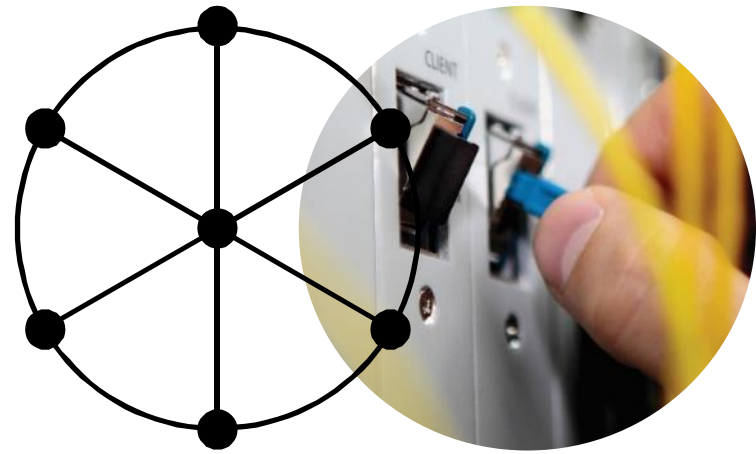


# COHERENT: 30 000 EMPLOYEES - THREE SEGMENTS

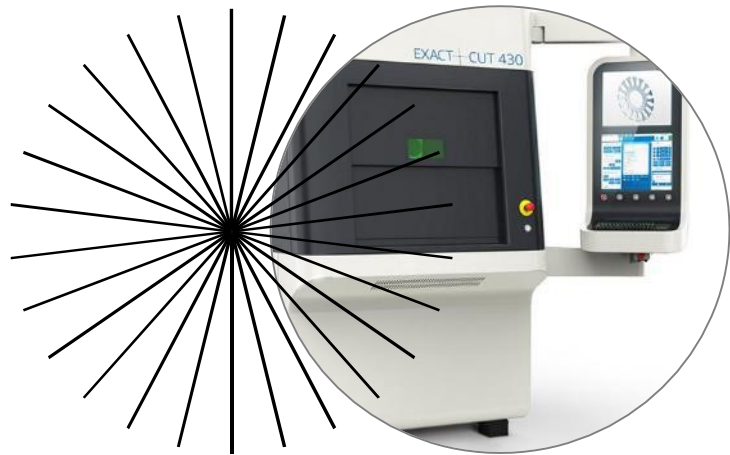
## MATERIALS



## NETWORKING



## LASERS



+

New Business Area:

## Wide Bandgap Power Electronics

# INVESTMENT IN KISTA

- **SiC Epitaxy Production**
- **New 200mm Epi Reactor (LPE)**
- **Surface Polish & Cleaning**
- **Defect Classification Lasertech Instrument (SICA)**

LPE PE108 move-in November 2022





# THE KISTA TEAM

- Excellent new hires from Swedish Universities
- Competence building
- Competence and Creativity are winner combination



**COHERENT**