

21st Synopsys EDA Interoperability Forum

November 6, 2008

IPL Alliance Update

Ed Lechner

IPL Alliance

- New Expanded IPL Charter:
 - Create and promote standards for Interoperable Process Design Kits (PDKs) and flows
- IPL Goals:
 - Enable a single PDK to support any OpenAccess tool
 - Reduce PDK development and support costs
 - Create choices in building your analog design flow

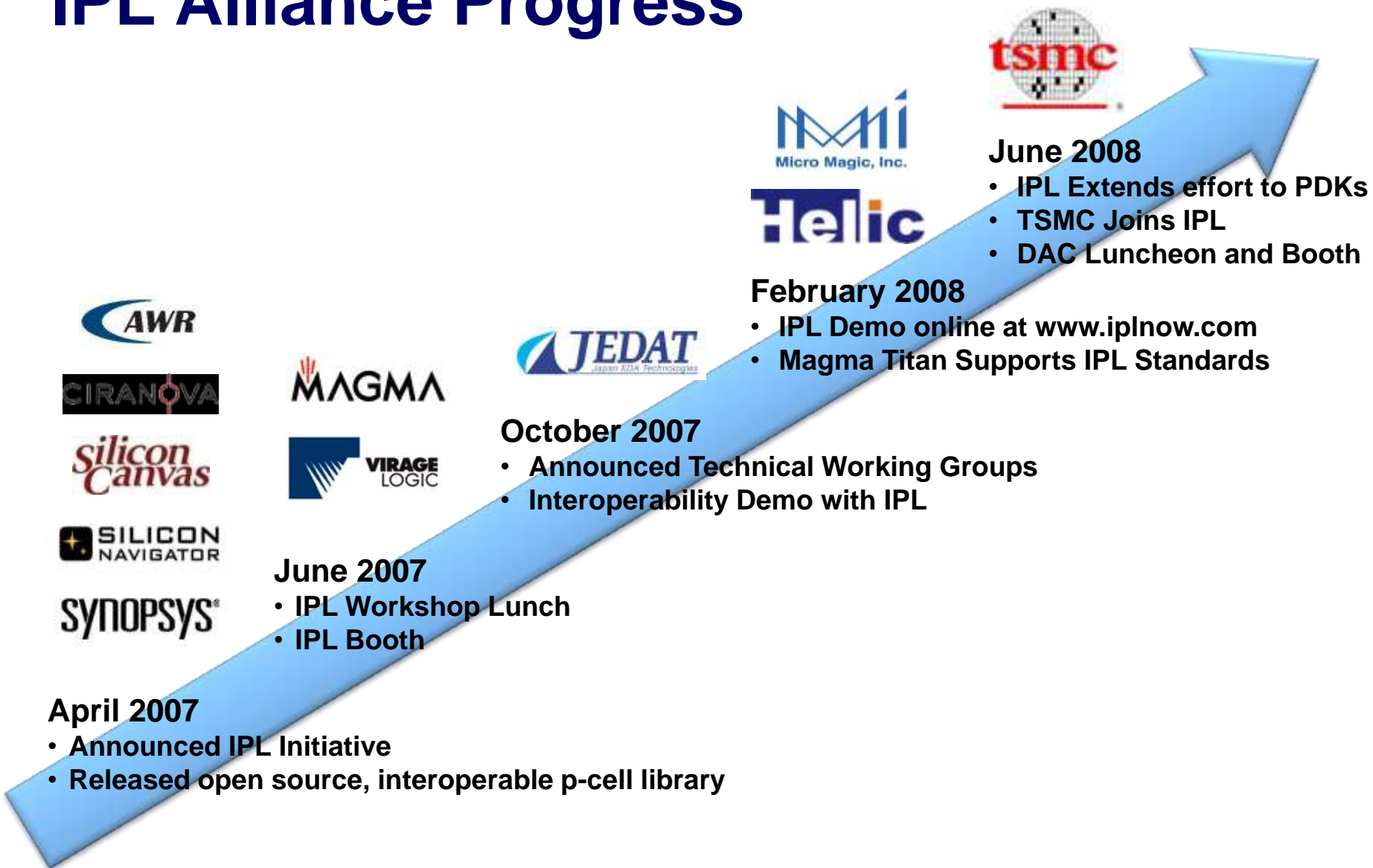


IPL's Approach To Achieving PDK Interoperability

- Involve EDA vendors, foundries and users
- Use existing standards where feasible
- Validate standards with prototype interoperable PDK's and flows
- Target modern process technology nodes



IPL Alliance Progress



April 2007

- Announced IPL Initiative
- Released open source, interoperable p-cell library

June 2007

- IPL Workshop Lunch
- IPL Booth

October 2007

- Announced Technical Working Groups
- Interoperability Demo with IPL

February 2008

- IPL Demo online at www.iplnow.com
- Magma Titan Supports IPL Standards

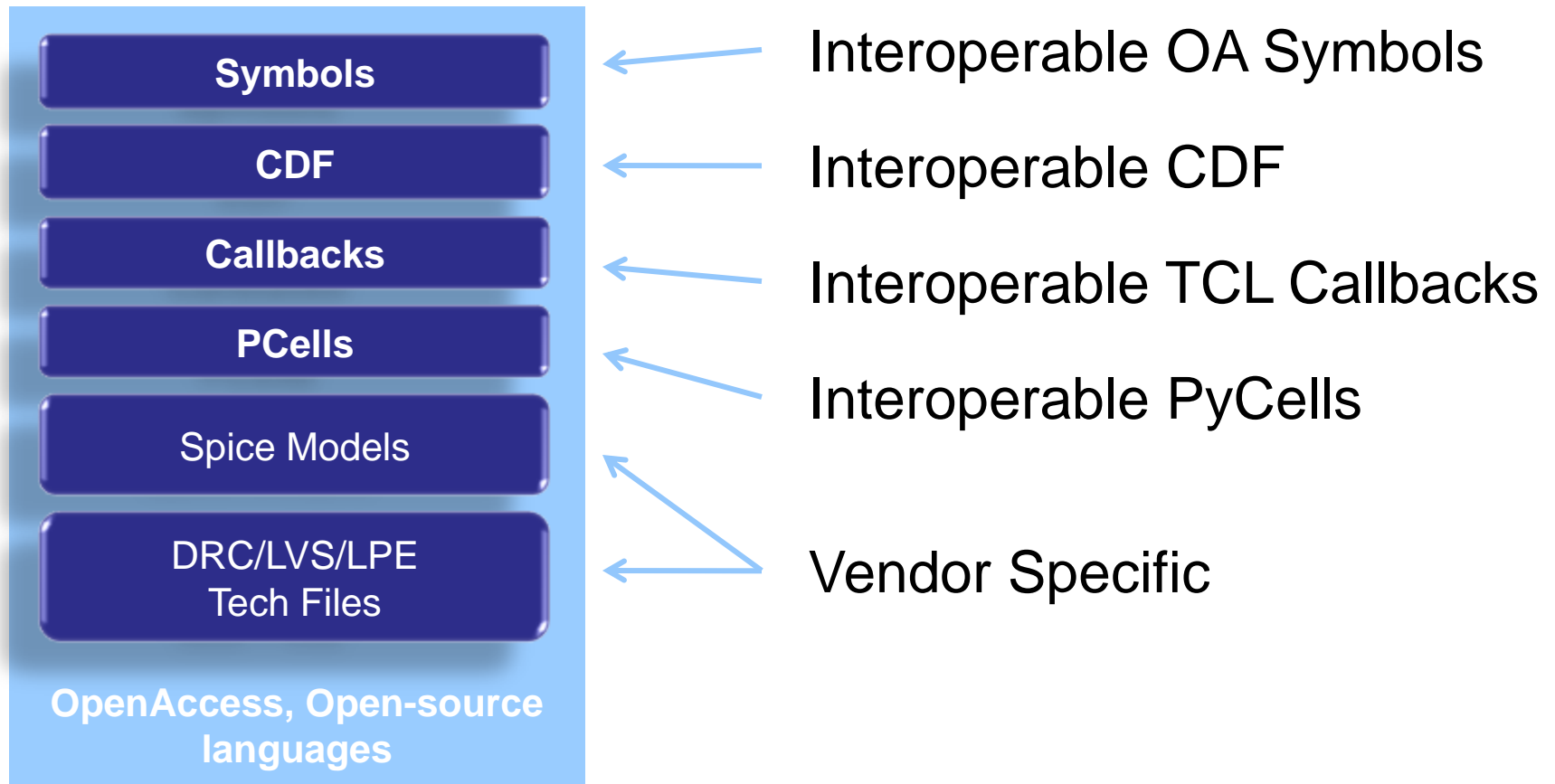
June 2008

- IPL Extends effort to PDKs
- TSMC Joins IPL
- DAC Luncheon and Booth

Recent Achievements

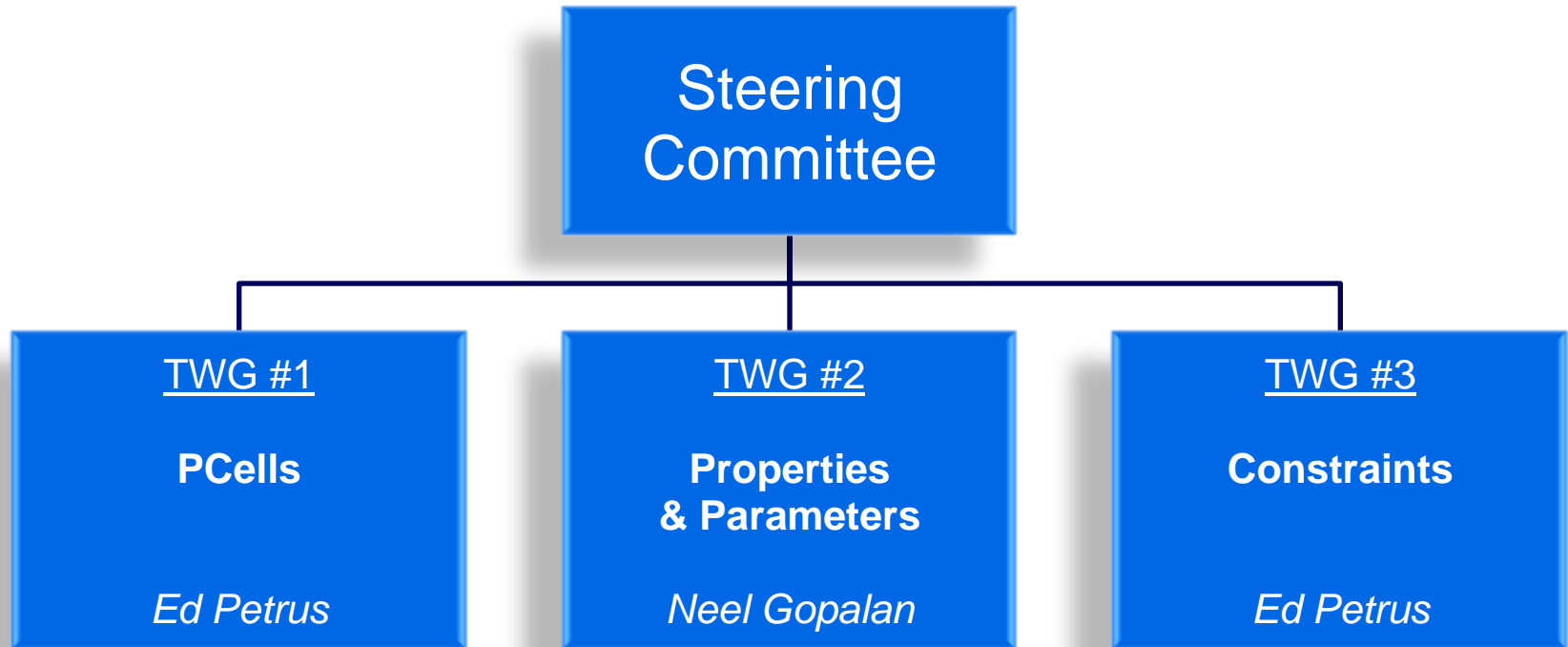
- **SynCira** is newest IPL Alliance Member
- Property and Parameter Definitions contribution from Synopsys

Interoperable PDK Overview



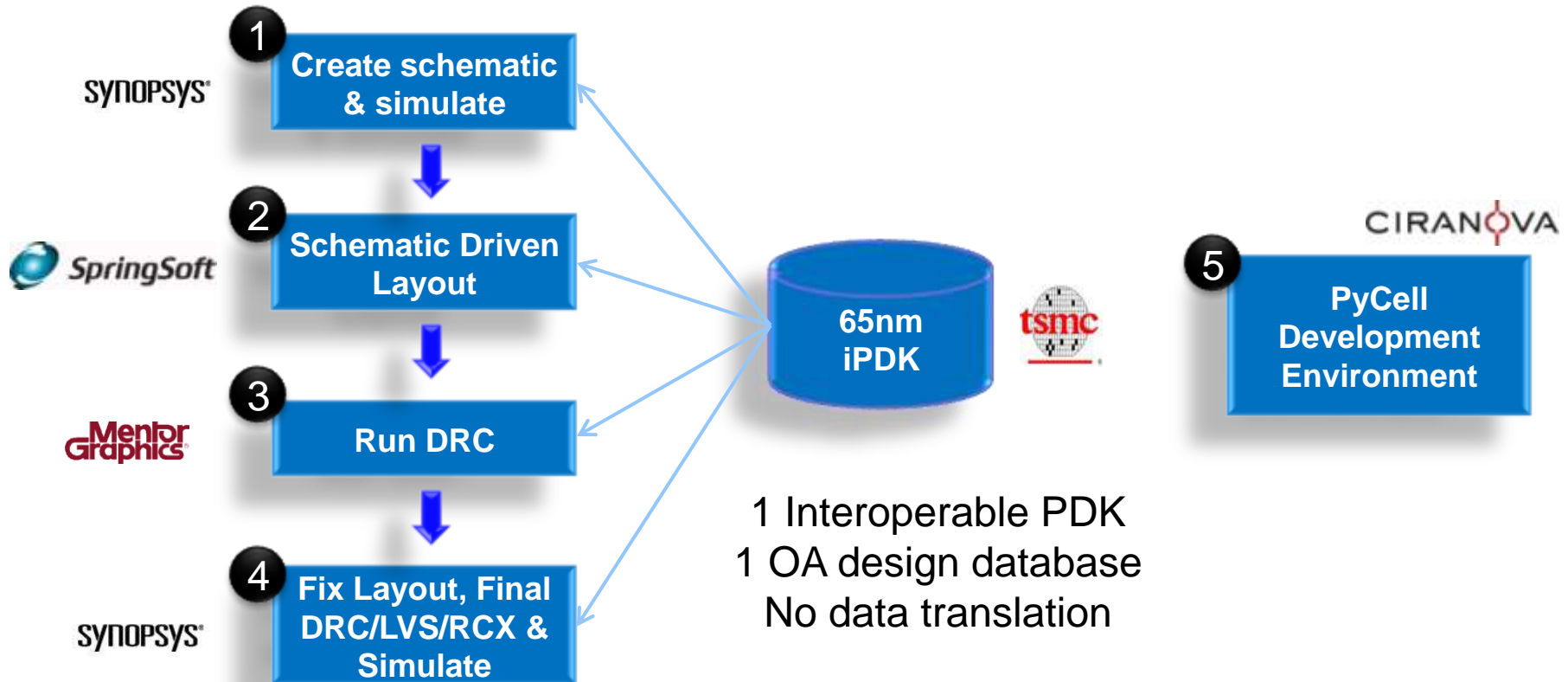
One PDK for all EDA vendors

Technical Working Groups



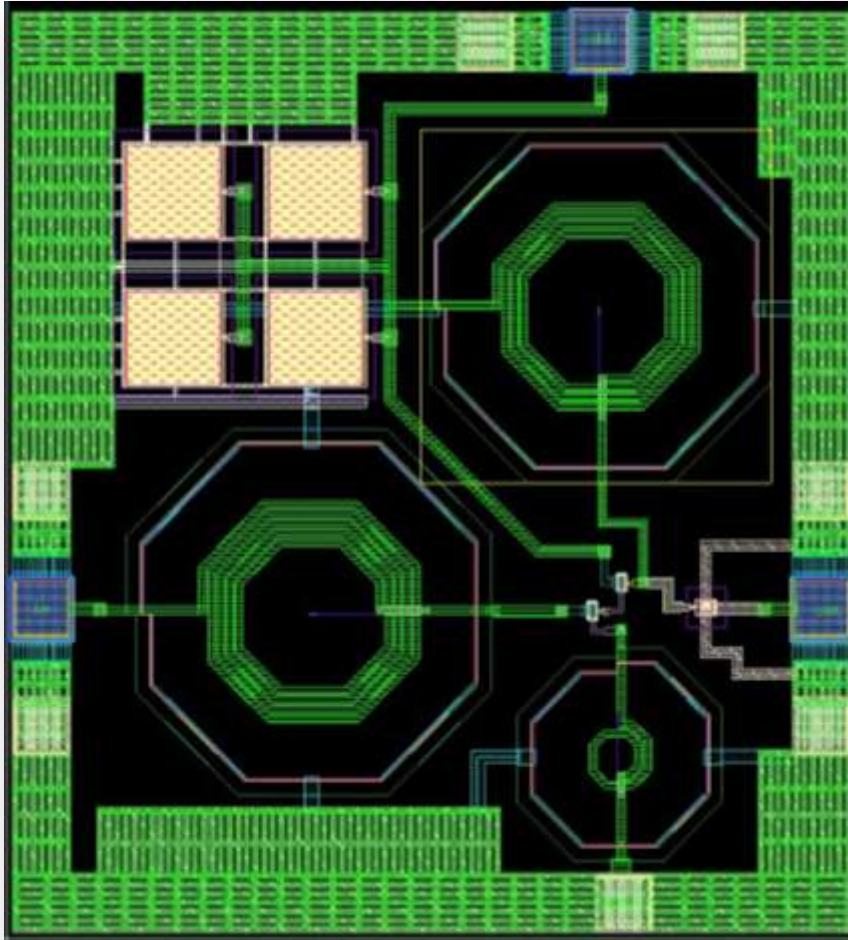
Needs Customer Input - Can You Help?

Interoperable Multi-Vendor Flow

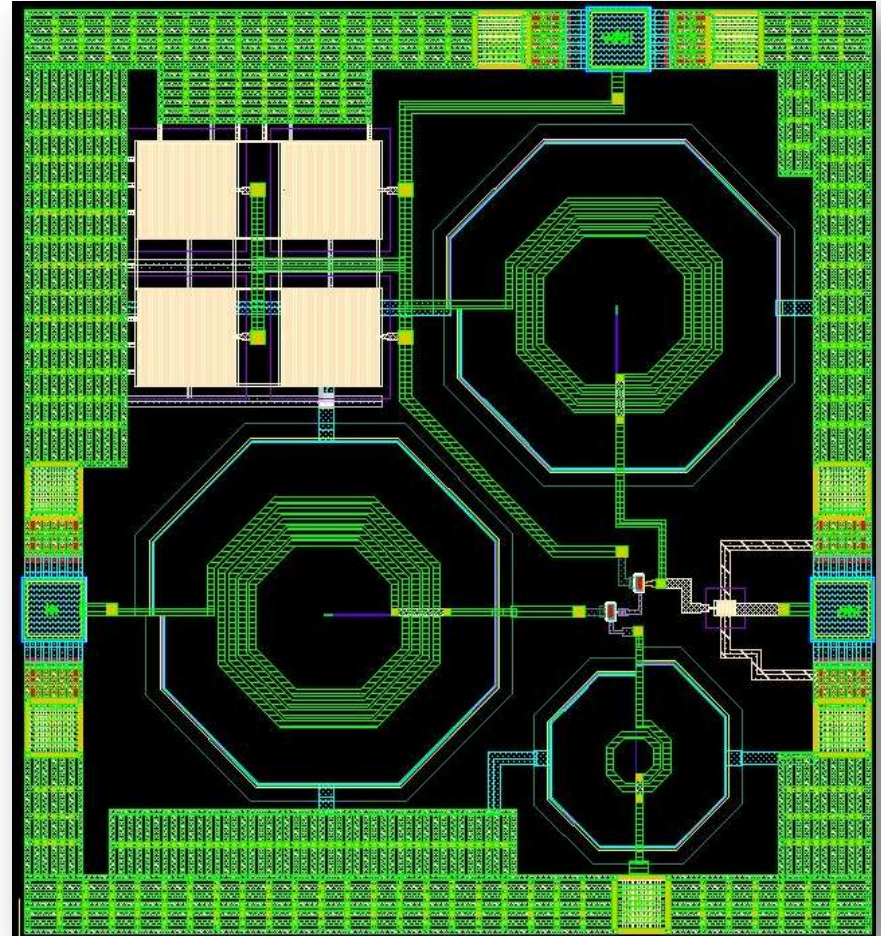


Demonstrated Interoperability

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Summary

- IPL Members continue to collaborate in achieving interoperability
- Interoperable PDK's are real
- You can achieve interoperability and improve performance