

Sagantec Demos and Presentations

Featuring the following presentations and demos:

- Overcoming the challenges of 14nm and 20nm migration
- Library migration and DRC correction for 14nm FinFET technology
- Custom, analog and mixed-signal IP migration
- Block and chip level DRC correction



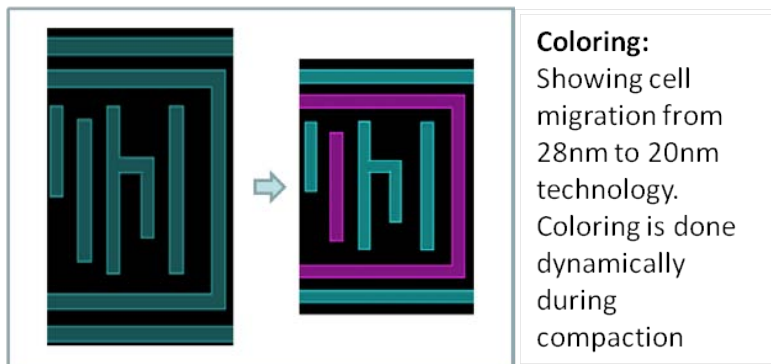
- **Migration and DRC Correction:**

Overcoming the challenges and obstacles of 14nm and 20nm

Sagantec's *nmigrate* tool is designed to address 14nm and 20nm challenges

- Migration of 28nm to 14nm: overcoming topology MOL layer changes and FinFETs
- Handling double patterning: **dynamic coloring** during compaction
- Overcoming new complex and restrictive design rules
- Already used and customer proven

[Check out the new *nmigrate* product description](#)

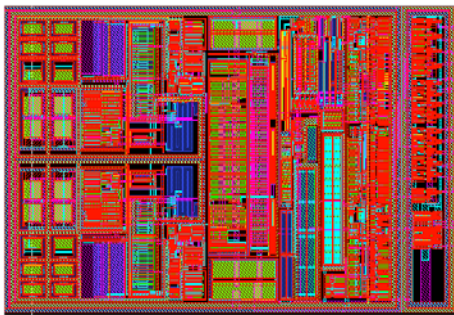


- **Custom, analog mixed-signal IP migration**

Migration of custom IP to next process node or different foundry

- Supporting all foundries and process technologies
- Maintain and enforce geometric constraints like symmetry, matching, alignments, etc.
- Maintain original design hierarchy and structure
- Support Cadence Virtuoso® IC5 and IC6 database
- Support Pcells and all other Virtuoso data objects

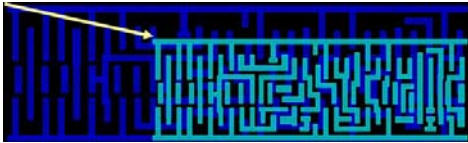
[Check out analog IP migration success story](#) :



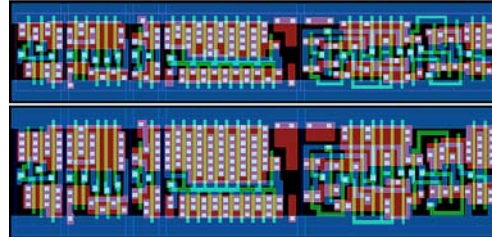
- **Standard Cell Library Migration & Optimization**

Migrate, modify and optimize standard cell libraries in the most advanced technologies

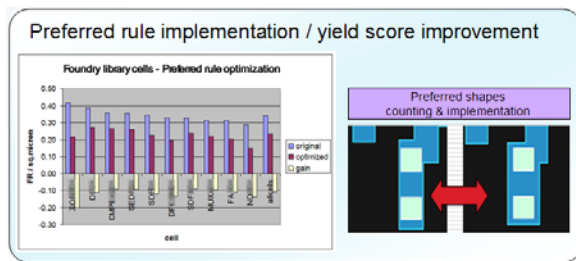
- Migrate libraries to next technology node or between foundries (incl. 14nm)
- Automatically handle design rule changes and process revisions
- Create new library derivatives (HS, LP, etc)
- Analyze and optimize libraries for yield



Process migration



Change #tracks

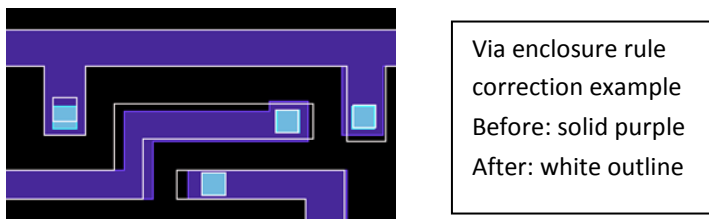
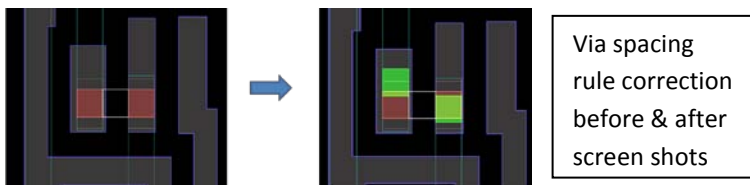


- **Block and chip level DRC correction or design-rule update**

Adjusting layout to new design rule changes

- Update new design rule values
- Automatic correction of DRC errors
- Implementing recommended DFM rules
- On large digital blocks and full chips

[Check out new PDK adjustment success story article](#)



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