Custom Silicon for All
Why There is Hope
Fast Facts

- 16 Year History
- ~500 Employees
- 7 Offices WW
Engagements

Netlist

GDSII

IP

MPW
The Semiconductor Cycle

IDM

ASIC

SOC

Elite

Democratized

Elite

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Elite Market Characteristics

• Skyrocketing fabrication costs
  • Only a few fabs can build them

• Skyrocketing design costs
  • Only a few OEMs have a market large enough to afford them

• *Will a handful of companies control the semiconductor industry?*
The Internet Offers Hope

• Many industries are being transformed (or disrupted) by the internet

• The impact:
  • Eases access
  • New products
  • Drives prices lower
  • Grows market participants

• This can happen in the semiconductor industry
Why the “e” in eSilicon is Important...

STAR is eSilicon’s online platform

Self-Service, Transparent, Accurate, Real-time ASIC design and delivery environment
MPW Explorer

Create custom MPW quotes instantly, online 24/7
MPW Explorer

Manage your MPW projects
100% online
GDSII Explorer

Create fully custom production tapeout NRE and unit pricing online, 24 hours a day
Lowest Price Per mm²

TSMC 65nm

eSilicon’s price 33% lower
Smallest Minimum Area

eSilicon’s minimum area 75% smaller than competition
Affordable MPWs

Minimum financial commitment up to 75% less than traditional methods
Shorter Cycle Times

eSilicon ships samples 33% faster
## eSilicon's TSMC MPW Sharing Platforms

<table>
<thead>
<tr>
<th>Technology</th>
<th>Price/mm²</th>
<th>Min Area</th>
<th>Frequency</th>
<th>Metal Stack</th>
<th>I/O</th>
<th>MiM Cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>180nm MS RF G</td>
<td>$1,000</td>
<td>5mm²</td>
<td>Quarterly</td>
<td>1P6M_4x1u</td>
<td>3.3V</td>
<td>2fF/um²</td>
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<tr>
<td>180nm HV BCD Gen 2</td>
<td>$1,250</td>
<td>5mm²</td>
<td>Quarterly</td>
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<tr>
<td>65nm MS RF GP</td>
<td>$4,700</td>
<td>1mm²</td>
<td>Monthly</td>
<td>1P9M_6x1z1u</td>
<td>2.5V</td>
<td>2fF/um²</td>
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<tr>
<td>65nm MS RF LP</td>
<td>$4,700</td>
<td>1mm²</td>
<td>Quarterly</td>
<td>1P9M_6x1z1u</td>
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<tr>
<td>40nm MS RF G</td>
<td>$7,500</td>
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<tr>
<td>28nm HPC</td>
<td>$15,000</td>
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<td>Quarterly</td>
<td>1P10M_5x2y2r</td>
<td>1.8V</td>
<td>N/A</td>
</tr>
</tbody>
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University Customers
Custom Silicon for All

IDM | ASIC | SOC

Elite | Democratized | Elite

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Custom Silicon for All – On the Way