Founded in 2007 to enhance productivity to \textit{Cadence Virtuoso layout design flow}.

- Cadence Virtuoso + SkillCad have become the industry standard layout environment for full custom analog, RF, and mixed-signal designs.

- Over 80% of the major analog and mixed signal (AMS) companies use SkillCad.

- SkillCad seamlessly integrates with Cadence Virtuoso Layout L, XL and GXL and supports IC5, IC6, IC12, IC18.

- SkillCad has been a Cadence Connection Partner since 2008
**SkillCad Products**

**IC Layout Automation Suite (LAS)**

IC LAS is a collection of 120+ user guided and auto routing commands that can boost layout productivity on average **30-50%**

SkillCad’s proprietary “correct and optimized by construction” eliminates design rule violations, automates complex error prone layout implementation while reducing tape-out time.

**Flat Panel Layout Editor (FPLE)**

FPLE is the first flat panel layout solution developed specifically for Virtuoso, providing over 30 cutting-edge user guided layout utilities.

Flat Panel design requires any angle layout placement and resistance aware routing to meet design constraints.

*Productivity increases depend on factors, such as design process and knowledge of the tools.*
IC Layout Automation Suite

- Array
- Bus Routing
- Calculation & Measurement
- Connecting Metals To Devices
- Density Check
- Device Placement
- Dummy Fill
- Flat Panel Layout
- Label
- Layer Handling
- Metal Coloring
- Metal Path & Path Segment
- Multi Part Path & Guarding
- Net
- Pin
- Shape Handling
- Slotted Metal
- Track Routing
- Via
- Viewing
Over 60 active Customers
Services

PCELL development
- Fully compatible with Virtuoso XL schematic driven layout flow.
- Develop PCELL for non-standard CMOS device
- Implement special option for RF and high frequency / voltage designs.

PDK Development
- Foundry Specific
- Technology Library set up
- Symbol library
- CDF and call backs
- Device Modeling
- Over 30 PDK delivered

Customization Services
- Custom commands to automate Error prone work to increase designers productivity
- Develop commands that are specific to a custom design such as High Frequency & High Voltage that are difficult to implement manually.
Contact Us

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