Customized Solutions
to speed up your success

[www.infineon.com/asic]
INFINEON ASIC & POWER IC GROUP bundles technology expertise, extensive IP, system know-how and worldwide partner network to enable our customers to develop and market innovative products and solutions. Our global network of design centers and partners with program management capabilities provides custom solutions with ASIC design expertise and local support. We focus on customer needs, delivering best-in-class solutions that speed up our customers’ time-to-market. Our customer defines the business model.

WE OFFER innovation & value add by providing best in class solutions for customers that optimize system BOM and support all required product features to enable our customers’ market success.

A SIMPLE AND RELIABLE ONE – STOP SHOP with reduced project and logistics complexity. Our interest is to build long-term business relationships based on mutual trust and delivery on commitments.

WE SUPPORT OUR CUSTOMERS meet tight market windows – they know they can count on our execution excellence & speed without any compromises in quality. We support our customers’ business goals by giving them access to the latest Design Flows, Technology & IP & Packaging.

INDUSTRY

PRODUCT RANGE
- Automation Control
- Medical
- Opto-electronic

PERIPHERALS

PRODUCT RANGE
- Computing and Gaming Peripherals
- Digital Consumer & Mobile TV ASiCs
- Short-Range RF Applications
- Secure Authentication
- Secure Customized Solutions
ASIC Customer Benefits from Infineon Core Competences

CUSTOMER SOLUTIONS

ANALOG/MIXED SIGNAL, POWER, RF, SECURITY AND EMBEDDED CONTROL

RF Solutions

Wireless Communication

Chipcard

Car & Power Electronics

Industrial Electronics

Power Management
Design Flow

ASIC ++
- RTL I/F
- Soft Macro
- HDL Capture

ASIC
- Netlist I/F
- Libraries
- Synthesis
- Gate Level Netlist

COT
- GDS-II I/F
- Hard Macro
- Floor Planning
- Place & Route
- Timing Closure
- Layout (GDS-II)
- Layout Verification
- Mask Data Preparation/Mask Writing

Customer Interface
Customer Interface
Customer Interface
### ASIC Business Models

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<th>Workshares example</th>
<th>Foundry Business Model</th>
<th>Customized Business Model</th>
<th>Turnkey Business Model</th>
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<td></td>
<td>Customer</td>
<td>Infineon</td>
<td>Customer</td>
</tr>
<tr>
<td>Concept/Application Know-How</td>
<td>■</td>
<td>■</td>
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<tr>
<td>Logic Design</td>
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<td>Physical Design</td>
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<td>IP</td>
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<td>SW/FX</td>
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<td>Silicon Mfg.</td>
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<td>Packaging</td>
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<tr>
<td>Product Test</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Cust. Deliverable</td>
<td>Customer delivers GDS data</td>
<td>RTL or Net List data from customer</td>
<td>Specification from customer</td>
</tr>
<tr>
<td>Infineon Deliverable</td>
<td>IP/libraries, bare die delivery &amp; project management support</td>
<td>Co-designed, packaged and tested IC &amp; Project Mgmt. support</td>
<td>Design &amp; IP Services as well as packaged, tested IC &amp; Project Mgmt. support</td>
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<tr>
<td>Customer Investment</td>
<td>■</td>
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<td>Unit Cost</td>
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INFINEON TECHNOLOGIES SALES OFFICES WORLDWIDE*

(COUNTRY/AREA)

Australia
- Infineon Technologies Australia Pty. Ltd.
  Suite 4, Level 1
  29 Railway Road
  Blackburn Victoria 3130
  (+61) 3-8878 01 88
  Fax (+61) 3-8878 01 08

Austria
- Infineon Technologies Austria AG
  Linke Wienzeile 4/15
  1060 Vienna
  (+43) 1-57 17 11 11 1
  Fax (+43) 1-57 17 11 50 0

Belgium/Luxembourg/Netherlands
- Infineon Technologies Holding B.V.
  Generaal Lemanstraat 67
  2018 Antwerp
  (+32) 10-21 76 80 0
  Fax (+32) 10-21 76 81 9

Brazil
- Infineon Technologies
  South America Ltda.
  Avenida Paulista n.° 1337-172
  Cepoaria Cesar
  03311-200 São Paulo
  (+55) 11-33 72 92 42
  Fax (+55) 11-33 72 92 30

China
- Infineon Technologies
  Center of Competence (Shanghai) Co., Ltd.
  12th Floor, Quantum Plaza
  No.27 Zhi Chon Road
  Pudong District
  Beijing 100083
  (+86) 10-82 35 15 18
  Fax (+86) 10-82 35 14 74

- Infineon Technologies
  Hong Kong Ltd.
  32/F, 909 Cheung Sha Wan Road
  Cheung Sha Wan
  Kowloon
  Hong Kong
  (+852) 28-32 05 00
  Fax (+852) 28-32 97 92

- Infineon Technologies
  International Trade (Shanghai) Co., Ltd.
  No. 7, 8, Lane 647, Song Tao Road
  Zhang Jian Hi-Tech Park
  Shanghai 201203
  (+86) 21-61 01 90 00
  Fax (+86) 21-50 86 62 04

- Infineon Technologies
  Nordic AB
  Visitor's Address Upseerniku 1
  P.O. Box 276
  02601 Espoo
  (+358) 10-60 80 84 00
  Fax (+358) 10-60 80 84 01

- Infineon Technologies France S.A.S.
  Centre de Vie Agora – Bat. A2
  3, rue Marcel Doret
  31700 Blagnac
  (+33) 5-34 55 13 30
  Fax (+33) 5-34 55 13 34

- Infineon Technologies France S.A.S.
  39-47, Boulevard Ornano
  93527 Saint-Denis CEDEX 2
  (+33) 1-48 09 72 00
  Fax (+33) 1-48 09 72 90

- Commenon GmbH
  Süduprechtsweg 2-4
  90449 Nuremberg
  (+49) 911-37 88 0
  Fax (+49) 911-37 88 10 00

- Hitex Development Tools GmbH
  Griesbachbacher Straße 12
  76229 Karlsruhe
  (+49) 72 19 62 80
  Fax (+49) 72 19 62 81 89

- Infineon Technologies AG
  Siemensstraße 31-33
  71254 Ditzingen/Stuttgart
  (+49) 7156 17 91 90
  Fax (+49) 7156-17 91 99 0

- Infineon Technologies AG
  Düsseldorfer Landstraße 401
  47259 Duisburg
  (+49) 203 72 98 71 1
  Fax (+49) 203 72 98 76 0

- Infineon Technologies AG
  Naegelebrücher Straße 26
  91052 Erlangen
  (+49) 9131-97 00 10
  Fax (+49) 9131-97 00 19 9

- Infineon Technologies AG
  Paderborner Straße
  30539 Hannover
  (+49) 511-87 62 60 0
  Fax (+49) 511-87 62 60 92

- Infineon Technologies AG
  Am Campeon 1-12
  85579 Neubiberg
  (+49) 89 23 40
  Fax (+49) 89 23 42 46 94

- Infineon Technologies AG
  Südwestpark 65
  90449 Nuremberg
  (+49) 911-25 29 30
  Fax (+49) 911-25 29 39 3

- Infineon Technologies AG
  Max-Planck-Straße 5
  59981 Marne
  (+49) 2902-76 60
  Fax (+49) 2902-76 41 25 6

- Infineon Technologies India Pvt. Ltd.
  10th Floor, Discoverer-Building
  International Technology Park
  Whitefield Road
  Bangalore 560 066
  (+91) 80-41 39 23 00
  Fax (+91) 80-41 39 23 33

- Infineon Technologies Ireland Ltd.
  69 Fitzwilliam Lane
  Dublin 2
  (+353) 1-79 99 50 0
  Fax (+353) 1-79 99 50 1

- Infineon Technologies Italia S. r. l.
  Via Vignito, 4
  20128 Milan
  (+39) 2-25 20 41
  Fax (+39) 2-25 20 43 95

- Infineon Technologies Japan K. K.
  Maruyama Nissei Building 14F
  2-1-31, Dojima, Kita-ku
  Osaka-shi
  Osaka 530-0003
  (+81) 6-47 97 44 60
  Fax (+81) 6-47 97 44 62

- Infineon Technologies Japan K. K.
  SHINAGAWA-ku
  11719B Moscow
  (+7) 945-95 65 19 5
  Fax (+7) 945-95 65 19 5

- Infineon Technologies Sweden AB
  Isafjordsgatan 16
  16481 Kista
  (+46) 8-75 75 00 0
  Fax (+46) 8-75 75 05 0

- Switzerland
  Infineon Technologies Schweiz GmbH
  Bodenstrasse 621
  P.O. Box 1570
  8048 Zurich
  (+41) 1-49 78 04 0
  Fax (+41) 1-49 78 05 0

- Taiwan
  Infineon Technologies
  Taiwan Co., Ltd.
  12770 High Bluff Drive
  Suite 100
  San Diego, CA 92130
  (+1) 858-50 92 16 0
  Fax (+1) 858-50 92 16 1

- United Kingdom
  Infineon House
  Great Western Court
  Hunts Ground Road
  Stoke Gifford
  Bristol BS34 8PH
  (+44) 11-79 52 87 13 0

- U.S.A.
  Infineon Technologies North America Corp.
  2529 Commerce Drive
  Suite H
  Kokomo, IN 46902
  (+1) 765-45 61 92 8
  Fax (+1) 765-45 63 83 6

- Infineon Technologies
  North America Corpo.
  1880 W. Winchester Drive
  Suite 108
  Libertyville, IL 60048
  (+1) 847-99 60 48 0

- Infineon Technologies
  North America Corp.
  19111 Victor Parkway
  Livensia, MI 48152
  (+1) 734-77 95 00 0
  Fax (+1) 734-77 95 00 1

- Infineon Technologies
  North America Corp.
  640 N. McCarthy Blvd.
  Milpitas, CA 95035
  (+1) 866-95 19 51 9

- Infineon Technologies
  North America Corp.
  12770 High Bluff Drive
  Suite 100
  San Diego, CA 92130
  (+1) 858-50 92 16 0
  Fax (+1) 858-50 92 16 1

- Infineon Technologies
  North America Corp.
  12770 High Bluff Drive
  Suite 100
  San Diego, CA 92130
  (+1) 858-50 92 16 0
  Fax (+1) 858-50 92 16 1

- Infineon Technologies
  North America Corp.
  12770 High Bluff Drive
  Suite 100
  San Diego, CA 92130
  (+1) 858-50 92 16 0
  Fax (+1) 858-50 92 16 1

- Infineon Technologies
  North America Corp.
  12770 High Bluff Drive
  Suite 100
  San Diego, CA 92130
  (+1) 858-50 92 16 0
  Fax (+1) 858-50 92 16 1

* and representative offices