

# A TOTAL SOLUTION FOR IC PROTOTYPING SMALL & MEDIUM VOLUME PRODUCTION

A total solution including integrated design flows with cell libraries and support, deep-submicron netlist-to-layout service, design support, flexible access to silicon prototyping and production at leading foundries, packaging and test

## Features and Benefits .....

### ■ Easy access to integrated design flows with cell libraries and support

- Sign a non-disclosure agreement and receive free foundry qualified cell libraries, foundry design rules and spice parameters
- More than 50 design kits for most popular CAD front-end and back-end tools (Cadence, Synopsys, Mentor Graphics, Tanner, etc.)
- Technical support on cell libraries and design kits

### ■ Front-end design support through Network of Alliance partners

### ■ Deep-submicron RTL-to-Layout service

- Digital and Mixed designs
- Layout service includes clock-tree synthesis (clock nets, high fan-out nets), ECO, SDF (R+C)
- DRC, ERC, LVS checks and tape-out preparation

### ■ Flexible access to silicon prototyping

- More than 200 MPW (Multi Project Wafer) prototype runs in 2007
- Dedicated full mask pilot runs possible any time
- No commitment for high volume needed

### ■ Flexible access to small & medium volume production

- Flexible lot sizes using full mask set or MPW mask set (also very small lots)
- No commitment for high volume needed

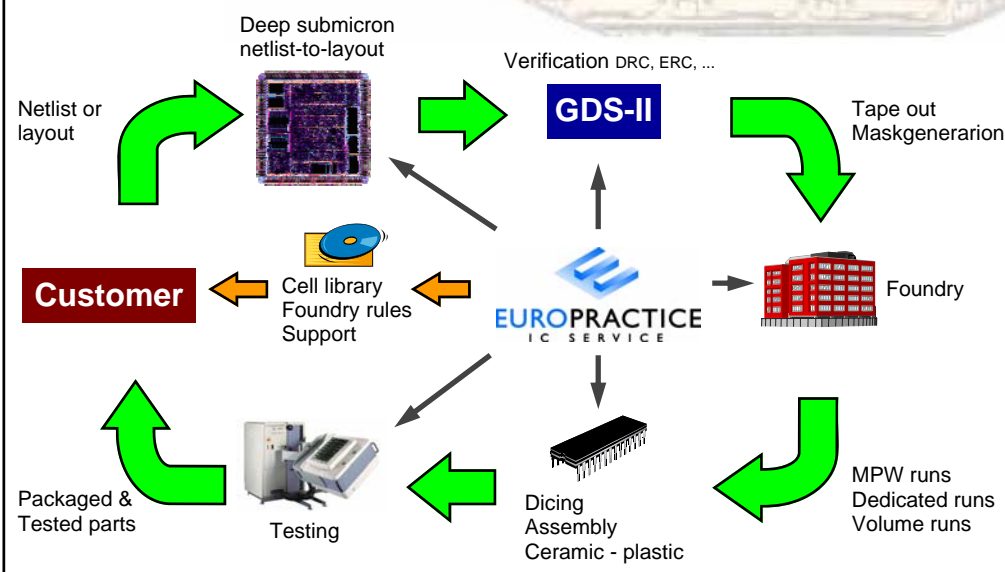
### ■ Packaging and testing

Subcontracted to assembly and test houses in Europe and Far-East

**New : 90nm**

AMI Semiconductor	0.7µ CMOS C07M-D & C07M-A
	0.7µ C07M-I2T100 (100V) & C07M-I2T30E (30V)
	0.5µ CMOS C05M-D & C05M-A 3LM
	0.5µ CMOS C5F/N EEPROM
	0.35µ CMOS C035M-D & C035M-A 5LM & C035U
austriamicrosystems	0.35µ C035M-I3T80U (80 volt)
	0.8µ CMOS CXQ & CXZ-50volt 2LM
	0.35µ CMOS C35xxx 3&4LM + OPTO + EEPROM
	0.35µ CMOS H35xxx 50 volt + EEPROM
IHP	0.35µ SiGe BiCMOS S35xxx 4LM
	0.25µ SGV-VD-H1-H2-H3 ... 220 GHz GHz
TSMC	0.25µ CMOS General LOGIC, MS OR MS RF
	0.18µ CMOS General LOGIC, MS OR MS RF
	0.13µ CMOS General LOGIC, MS OR MS RF
UMC	L250 CMOS mixed-mode/RF 5LM
	L180 CMOS logic/mixed-mode/RF 6LM
	L130E FSG CMOS logic/mixed-mode/RF 8LM
	L90N logic/mixed-mode/RF CMOS 9LM lowK

## EUROPRACTICE service and manufacturing flow



## Facts

- 600 universities and research laboratories are EUROPRACTICE member
- 350 companies world-wide have used the service
- 500 designs prototyped/year
- 100 small volume projects/year
- EUROPRACTICE IC Service is offered by a consortium of IMEC (B) and Fraunhofer IIS (D) with each more than 15 years experience in MPW activities

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