

Get rid of the extreme variability of MEMS processes: MEMS Price+ webcast

On June 4 at 8:00 AM PDT - Powered by System Plus Consulting & Yole Développement

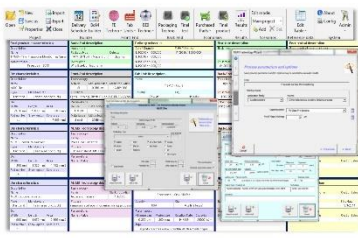
LYON, France – May 21, 2015 – [System Plus Consulting](#), sister company of [Yole Développement \(Yole\)](#), has created a revolutionary costing tool called “MEMS Price+”. The company will show what MEMS Price + offers in a live webcast on June 4 at 8:00 AM PDT, titled “Still tearing your hair out when simulating the cost of your MEMS devices?” To register for the webcast, visit the [i-Micronews website’s](#) Events section and find the [MEMS Price+ webcast](#).

MEMS PRICE+: INPUTS/OUTPUTS

(Source: MEMS Price+, System Plus Consulting, 2015)

INPUTS

- **Parts description** IC or MEMS, die dimensions
- **Fab Unit description** profile, wafer size, minimum technology size, clean room & equipment parameters
- **Technology description**, substrate, process parameters OR device type, transistor size, functions, building processes details
- **Wafer backend details**, temperature range & test flow, back grinding, bumping and dicing, technologies, and parameters, probe test equipment
- **Assembly options**, Package characteristics, panelization parameters, PCB description, wire bonding parameters and other options
- **Final test details**
- **Manufacturer & foundry financial statements**
- **Commercial data**, delivery schedule, market position of the component, life cycle details, quantity / price data



MEMS Price+ →

OUTPUTS

- **Wafer cost breakdown** manufacturing cost, raw wafer cost, labor cost, yield losses...
- **Die cost breakdown**
- **Assembly cost breakdown**
- **Component cost breakdown**
- **Yields versus time**
- **Manufacturing cost versus time**
- **Selling prices versus time**
- Up to 5 scenarios

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“The MEMS Price+ tool gives you a cost model that comprehensively covers all the relevant parameters and technologies”, explains **Romain Fraux, Project Manager, Reverse Costing analysis at System Plus Consulting**. To know more about this tool, join the MEMS Price+ webcast and discover its power live. Registration: [MEMS Price+ webcast](#)

The MEMS sector represented an \$11.1B business for silicon-based devices in 2014, according to Yole’s latest technology & market analysis, [Status of the MEMS Industry \(2015 Edition\)](#). The growth will not stop here – in fact, the MEMS market will exceed \$20B by 2020. In this new report Yole, the “More than Moore” market research and strategy consulting company, also reveals that MEMS manufacturing on 300mm diameter wafers will be an important phenomenon in coming years. The move to 300mm production could impact the entire MEMS supply chain. “At Yole, we believe the first motivation will be technical requirements”, explains **Jean-Christophe Eloy, President and CEO, Yole Développement**. “Then, MEMS companies will face economic constraints as they aspire to lower costs, increase volumes,

and for foundries attract more customers. In this context, MEMS Price+ really adds value for MEMS companies as it allows them to easily determine manufacturing costs. Based on such analysis, they can then adapt their development strategy.”

During the live session on June 4 at 8:00 AM PDT, System Plus Consulting will demonstrate how to take advantage of MEMS Price+ to evaluate the cost of MEMS devices. The presentation will be based on a live demo with an actual MEMS example analyzed by the consulting company.

System Plus Consulting’s speaker, **Romain Fraux**, is Project Manager for reverse costing analyses. Since 2006, Romain has been in charge of costing analyses of MEMS devices, integrated circuits (ICs) and advanced packaging. He has significant experience in modeling the manufacturing costs of electronics components and has published more than 50 reverse costing reports on various MEMS devices including inertial, pressure, microphones or RF Sensors.

The MEMS Price+ live webcast will be moderated by **Steven LaFerriere, Director of North America Business Development at Yole Développement**. Steven has more than 20 years of experience as a sales executive in the electronics marketplace, with an outstanding track record in solving customers’ problems.

System Plus Consulting has published more than 100 reverse costing reports on MEMS, with detailed presentations available in the [i-micronews](#) MEMS & Sensors reports section. Based on its expertise, System Plus Consulting has developed an efficient and easy-to-use cost simulation tool that can simulate most MEMS technologies from the main players. [MEMS Price+](#) allows anyone from purchasing, marketing, costing and R&D departments to calculate the production cost and selling price of a wafer, die, packaged MEMS or System-in-Package (SiP) including an unlimited number of dies. *“Detailed knowledge of MEMS or IC processes is no longer necessary to get an accurate cost”* asserts Romain Fraux, System Plus Consulting. *“The tool also offers possibilities for forecasting and simulating MEMS processes on wafer diameters up to 12-inches.”*

Make sure you get a deep understanding of MEMS manufacturing and its related costs - register right now: [MEMS Price+ webcast](#)

About the [MEMS Price+ tool](#):

Easy to use Costing tool for MEMS devices - Simulate the production cost and selling price of MEMS devices, including ASICs, packaging and related components.

**Main features in MEMS Price+:**

- Support of multiple chips mixing MEMS dies and IC dies
- The MEMS technologies database includes more than 30 processes
- The IC cost model supports multiple technologies
- Back-end simulator enables description of specific packages and test conditions

Corporate licence: EUR 11,000 – 2015 Edition

**About System Plus Consulting**

[System Plus Consulting](#) specializes in the cost analysis of electronics, from semiconductor devices to electronic systems, and has developed a complete range of services and costing tools to provide in-depth production cost studies and to estimate the objective selling price of a product.

COSTING SERVICES

- On demand Reverse Costing studies are performed on ICs, ASICs, MEMs, Power Devices, ECUs, electronic boards and full electronic systems.
- Catalogue of available reports includes cost analyses on MEMS, LEDs, modules and electronic systems.

All these analyses are performed using in-house developed, proprietary costing tools and their technological databases.

COSTING TOOLS*«Purchaser» tools*

- IC Price+ to estimate the cost of any integrated circuit
- PCB Price+ for printed circuit boards
- Power Price+ for any power component or module
- SYS.Cost+ for electronic boards and systems

Cost Simulation Tools, process flow based

- MEMS CoSim+
- PowerCoSim+
- LED CoSim+
- 3D Package CoSim+

About Yole Développement

Founded in 1998, [Yole Développement](#) has grown to become a group of companies providing marketing, technology and strategy consulting, media and corporate finance services. With a strong focus on emerging applications using silicon and/or micro manufacturing, the Yole Développement group has expanded to include more than 50 collaborators worldwide covering MEMS, Compound Semiconductors, LED, Image Sensors, Optoelectronics, Microfluidics & Medical, Photovoltaics, Advanced Packaging, Manufacturing, Nanomaterials and Power Electronics. The group supports industrial companies, investors and R&D organizations worldwide to help them understand markets and follow technology trends to develop their business.

CONSULTING

- Market data & research, marketing analysis
- Technology analysis
- Reverse engineering & costing services
- Strategy consulting
- Patent analysis

REPORTS

- Collection of technology & market reports
- Manufacturing cost simulation tools
- Component reverse engineering & costing analysis
- Patent investigation

FINANCIAL SERVICES

- Mergers & Acquisitions
- Due diligence
- Fundraising

More information on www.yolefinance.com

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MEDIA & EVENTS

- i-Micronews.com, online disruptive technologies website and its weekly e-newsletter, @Micronews
- Technology Magazines
- Communication & webcasts services
- Events: Yole Seminars, Market Briefings

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