

## SEMI OFFICES IN EUROPE

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### BECOME A MEMBER TODAY!

- Promote solutions to industry problems and influence industry direction
- Comment and vote on work in progress
- Network at task force and technical committee meetings

*SEMI Standards membership is free, register online at [www.semi.org/StandardsMembership](http://www.semi.org/StandardsMembership)*

*“71 % of companies participating in standardization find it enables them to anticipate future market requirements.”*

*AFNOR 2009 report The Economic Impact of Standardization.*

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SEMI<sup>®</sup>  
 International  
 Standards

## THE SEMI INTERNATIONAL STANDARDS PROGRAM



## THE SEMI INTERNATIONAL STANDARDS PROGRAM

- 19 global technical committees
- Over 2800 industry volunteers
- Over 200 task forces worldwide
- Over 790 Standards and Safety Guidelines published
- Silicon and Compound Materials, Gases and Chemicals, Equipment Hardware and Software, Lithography, Traceability, Environment, Health & Safety (EHS), Test Methods, Packaging, and many more topics...
- Semiconductor, Micro-Electro-Mechanical Systems (MEMS), Photovoltaic (PV), Flat Panel Displays (FPD)

## BENEFITS OF STANDARDS

- **Standards increase supplier profitability** by reducing product development cost and cycle time, and allowing focus on unique value-added features.
- **Standards increase customer satisfaction** by reducing factory integration costs and production ramp time, and lowering manufacturing costs.
- **Standards increase industry efficiency** by reducing duplication of efforts.

## ECONOMIC VALUE OF STANDARDS

- Calibration, Standard Test Methods, and Software Standards resulted in \$9.6 billion in benefits between 1996 and 2011.  
*NIST (US National Institute of Standards and Technology)*
- Standards contribute more to economic growth than patents and licenses.  
*DIN (German Standards Institute)*
- Standards contribute £2.5 billion annually to economic growth in the UK.  
*UK Department of Trade and Industry*



SEMI International Standards meetings take place around the world in conjunction with leading events including :

**SOLARCON** **inter solar** **SEMICON**



“Schott and other PV manufacturers are ready to work with equipment and materials suppliers to set standards to enhance the efficiency of PV manufacturing.”

*Ingo Schwirtlich, VP Technology, Schott Solar AG*



“To be part of the PV standards development process means for us to work together with our customers on a roadmap towards higher efficiency and cost reduction. This is important for a company like ours that designs, develops and manufactures equipment.”

*Stephan Rehbehn, Head of Project Management, Jonas & Redmann*



“SEMI has a long history of successful standardization, this is why SEMI is the preferred platform to develop the standards needed to drive down PV cell manufacturing cost.”

*Gerhard Rauter, COO, Q-Cells*



“At Bosch we experience the benefits of manufacturing in highly standardized industries, such as the automotive, and expect the same from the photovoltaic industry.”

*Lars-Oliver Stock, VP of Crystalline Production, Bosch Solar Energy*