



CENTER FOR ELECTRONICS DESIGN & MANUFACTURING

OUR MISSION

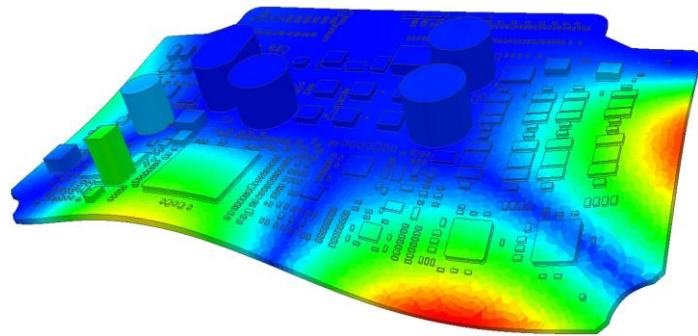
To support industry in the development of high quality, reliable and cost-effective electronic modules (PBA) by means of **knowledge** creation and sharing, **scientifically sound methodologies** and **collaboration** throughout the electronic supply chain.

LATEST SCIENTIFIC INSIGHTS in

- Materials
- Process steps
- Production flow
- Test and analysis
- Design-for-Manufacturing
- Reliability



BETTER ELECTRONICS at REDUCED COST through SCIENCE BASED METHODS



SEVEN REASONS TO JOIN cEDM

Design guidelines (*)

We develop Design-for-X guidelines in collaboration with our cEDM partners who represent the full electronic chain. X stands for all aspects of physical realization of the PBA.

Supporting tools

Our DfX-guidelines are supplemented by tools for PBA development, production and use. These include on-line tools(*) such as checklists, calculators, search tools and our PBA simulation tool **Pred-X**

cEDM workshops (*)

Three times a year we organize workshops on Printed Board Assembly themes with contributions from our cEDM partners.

DfX Helpdesk

At the DfX helpdesk you can ask everything about the X-factors of the PBA: manufacturing, testing, reliability, RoHS, cost, etc.

Company-specific services

We provide support for the innovation of methods in design, qualification, industrialization, production of PBA as well as PBA failure analysis, remediation and mitigation.

Customer oriented training

Our training and information sessions on Printed Circuit Boards and Printed Board Assembly, reliability, RoHS, etc., are oriented to industrial design, industrialization, production and quality activities.

Discount & Funding

For consultancy services, we offer a 20% discount to members. We support companies for applying for funding in KMO Portefeuille, IWT and European projects and are active participants in such projects.

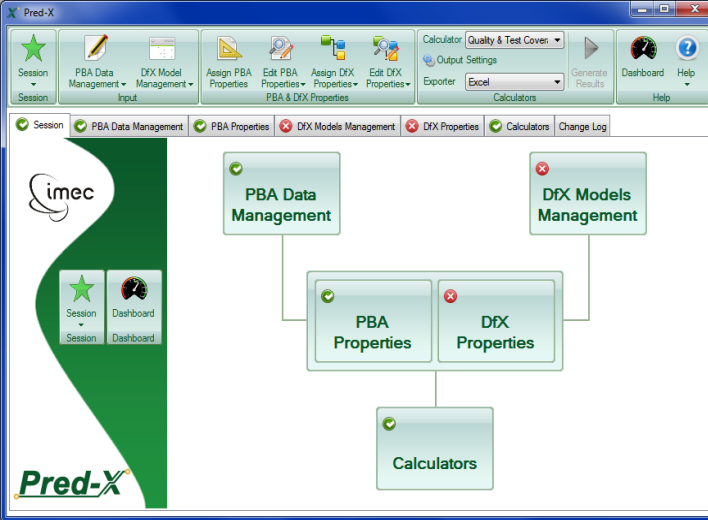
(*) Free of charge for members

Pred-X PBA SIMULATION TOOL

Pred-X is a generic simulation tool that aims to quantify the non-electrical properties of a PBA such as yield, test coverage, manufacturability, reliability, etc. Pred-X can be used in a very early stage of the design and with increasing accuracy as the design progresses. The PBA simulation tool only requires MSOffice, making it ideal for SMEs.

- Generic DfX supporting tool
- Can be used very early in design (concept phase)
- Quantified prediction of PBA DfX properties
- Various calculators

Contact us for terms and conditions



BECOMING A PARTNER/MEMBER

cEDM partners/members have full access to our design guidelines, supporting tools, workshops and are entitled to significant discounts on **Pred-X**, company-specific services and customer oriented training.

The membership fee depends on the company size. Academic and research institutes enjoy special rates.

Contact us for the terms and conditions.

MORE INFORMATION ON cEDM ?

GENERAL AND DfX HELPDESK

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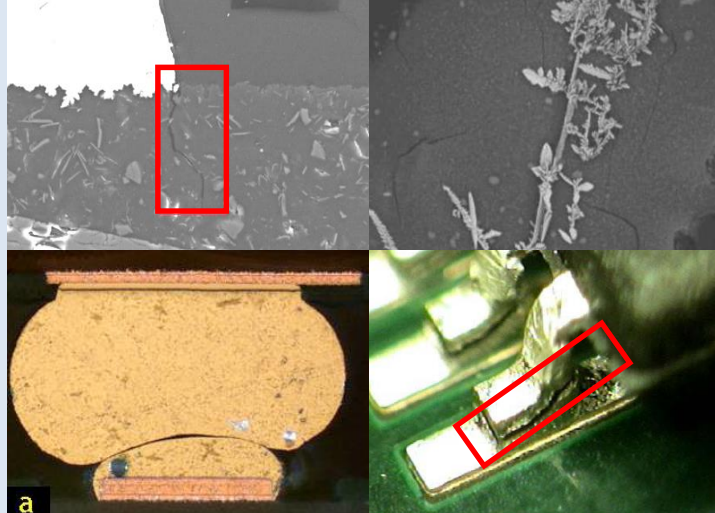
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MEMBERSHIP AND cEDM ACTIVITIES

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