

CLEAN ELECTRONICS PRODUCTION NETWORK

GREEN AMERICA
CENTER FOR SUSTAINABILITY SOLUTIONS

We bring together diverse groups of stakeholders to solve the complex sustainability problems that no individual business, organization, or leader can solve alone.

Participating Organizations

Industry	Apple, Inc. Cisco Systems Dell, Inc. Fairphone Flex	HP, Inc. Intel Corporation Inventec Performance Chemicals Responsible Business Alliance (RBA) Seagate Technologies
Labor	CEREAL (El Centro de Reflexión y Acción Laboral) International Campaign for Responsible Technology (ICRT) Social Accountability International (SAI)	
Research	The Sustainability Consortium, ASU University of California, Berkeley University of California, Irvine University of Massachusetts Lowell/TURI	
Enviro/Other	Clean Production Action Green Electronics Council Scivera Sustainable Purchasing Leadership Council(SPLC)	TCO Development US EPA

Power of Collective Action

VERTICAL COLLABORATION of producers and suppliers fuels dialogue around viability, cost and risk mitigation, building buy-in of key stakeholders as they design, test, and scale solutions together.

SHARED STRATEGY FOR CHANGE Innovation Networks enable competitors and sometime adversaries to identify shared needs, goals and strategies to address challenging issues.

SUPPLIER EDUCATION Direct education and engagement with suppliers helps raise awareness of the need for transition, and provides customized support to enable change.

ADVICE & SUPPORT We actively connect and encourage participants to help each other one-to-one through tough transition challenges.

STRATEGIC REFLECTION Retreats with other thought leaders allow participants to reflect and bring back new ideas to their companies.

CEPN Initiatives



IG1: Worker Engagement

Framework to assess safety culture within a facility

IG2: Track & Measure Exposure

Landscape of monitoring technologies for conducting quantitative exposure assessments

QEA: Qualitative Exposure Assessment

Simplified Qualitative Exposure Assessment (QEA) methodology to identify areas of high risk of exposure

IG3: Safer Substitutions

Simplified Alternatives Assessment procedure to help companies identify safer chemical substitutions, Case Studies to support elimination

CPF: Chemical Prioritization Framework

Framework for determining priority chemicals of concern for consolidated push towards exposure elimination

IG4: Process Chemicals Data Collection

Standardized template for mapping data related to process chemicals usage in electronics manufacturing operations

WORKING GOAL

Move towards zero exposure of workers to toxic chemicals in the electronics manufacturing process.

SCOPE

CHEMICAL FOCUS
Process Chemicals



HAZARD & EXPOSURE
Reducing both hazard and exposure



DOOR-TO-DOOR FOCUS
Includes exposure during usage, handling, and disposal of chemicals



Why Process Chemicals?

- ~18 million workers in global supply chain potentially using process chemicals
- Complex and deep supply chain
- Brands have been more focused on product chemicals, and are now starting to work on process chemicals
- Challenging for suppliers to have expertise and access to safer alternatives
- Suppliers often do not have training on exposure risks and focus more on production quotas
- Opportunity for companies to collaborate on a challenging supply chain issue