



# smartEE consulting LLC










## E-Recycling Risk Management – Services & Qualifications

### Creating new opportunities through integrated risk management and process improvements

**smartEE consulting** is a dynamic environmental consulting firm specializing in supporting electronics recycling and asset recovery companies in North America and Europe to control their risks associated with end-of-life electronics materials and downstream vendor management.

**smartEE consulting**'s expertise lies in identifying, assessing, and managing risk factors while utilizing our in-depth knowledge of industry drivers, market realities, and trends. Our consultants have been in the e-recycling field for years, helping clients from the conceptual stage to program implementation and auditing. **smartEE consulting** can offer customized holistic solutions to your risk management and compliance challenges.

### Services

-  Facility Risk Assessments, Strategy & Program Development
-  Environmental Management Systems (ISO 14001:2004) Consulting
-  Environmental, Health, and Safety (EHS) Consulting and Auditing (incl. OHSAS 18001)
-  Downstream Due Diligence Assessments
-  Vendor Search, Qualification & Auditing
-  Data Security Assessments & Process Consulting
-  E-Recycling Certifications Support
-  Regulatory Support & Interpretation
-  Post-Audit Corrective Action Process Support
-  Various Corporate Advisory Services



## Facility Risk Assessments, Strategy & Program Development

Nothing beats boots on the ground to properly evaluate a facility! smartEE consulting's baseline assessments are typically one-day on-site surveys of your facility's processes, activities, and documentation followed by a thorough review. Based on the detailed risk analysis, prioritized findings, and recommended actions you can make educated decisions about strategy and program development for your company.

## Environmental Management Systems (ISO 14001:2004) Consulting

ISO 14001 is quickly becoming a basic risk management cornerstone for e-recycling companies. If you want to — or need to — show a systematic approach to managing your environmental impact, ISO 14001 is an excellent option. smartEE consulting is trained and certified in the ISO 14001 standard interpretation and auditing processes (ISO 14001 lead auditor training) and can make this process faster and more affordable for you by offering an initial gap analysis, ongoing EMS development, and implementation support leading right up to your external registration audit.

## Environmental, Health, and Safety (EHS) Consulting and Auditing (OHSAS 18001)

Depending on the type of your recycling operations, your EHS risk could be substantial. smartEE consulting can help you with your EHS system from inception to maintenance. Leveraging our EHS expertise, we can establish your regulatory compliance, review your existing EHS program, and support you in developing an EHS policy and objectives that fit your operations.

## Downstream Due Diligence Assessments

Only a systematic and vigilant approach to your downstream vendor and material management can give you and your customer peace of mind when it comes to socially and environmentally responsible electronics recycling. smartEE consulting reviews your vendor network and verifies and assesses the material chain of custody for all electronics materials to an appropriate depth of downstream tiers by obtaining and reviewing documentation that confirms the flow of materials through your vendor chain. This includes a full risk assessment of the final disposition solutions for materials of concern, such as batteries, printed circuit boards, CRTs, and LCDs. smartEE consulting further assesses regulatory compliance of your transboundary shipments, and evaluates your logistics processes.

## E-Recycling Certifications Consulting

smartEE consulting helps you get ahead in the market and prepare for e-recycling certifications, such as BAN e-Stewards®, R2, RIOS® and more.

## Vendor Search, Qualification & Auditing

In evaluating your existing vendor relationships, new material streams, or possibly new markets, you may find yourself searching for new vendors. A systematic risk and compliance evaluation of each potential vendor should be an integral part of your vendor qualification process. smartEE consulting can help you speed up this vendor search and qualification process by supporting you in drafting a vendor request for quote (RFQ) that details your performance expectations and reviewing, assessing, and ranking submitted vendor responses. Finally, we can conduct on-site verification assessments to gain a comprehensive understanding of the vendor's business, operations and materials processes, the associated potential EHS and business risks, and determine the adequacy of the vendor's management of these risks. Facility inspections typically include a detailed review of all facility areas, operations, and pieces of equipment in a process flow oriented approach.

## Data Security Assessments & Process Consulting

smartEE consulting is always up-to-date and knowledgeable in all facets of software-based and physical data destruction methods, as well as data security standards such as NIST 800-88. Identifying and evaluating the appropriate data destruction processes for dealing with sensitive client data on hard disk drives and other data containing devices is an important part of any e-scrap risk management program. smartEE consulting performs process audits, data destruction verification audits, and data security risk assessments throughout your chain of custody from customer collection through the final process steps of metal recovery or reuse/resale. smartEE consulting helps you evaluate whether your data destruction standards, staging, security measures, and data wipe/secure erase processes are appropriate for responsibly managing your customers' confidential data.

## Regulatory Support & Interpretation

smartEE consulting is in tune with the latest e-waste regulations and electronics import/export regulations worldwide. We can help you interpret the framework of various state, US federal, and international electronics recycling regulations for your business and markets.

**For more information or to schedule a consultation, please contact our experienced environmental consultants:**

**[info@smarteeconsulting.com](mailto:info@smarteeconsulting.com)**

**phone: +1 512.782.4565**

**Visit [www.smarteeconsulting.com](http://www.smarteeconsulting.com)!**