Public WEEE Collection
GEWR'18 Astana
Adam Gryko
Not-for-profit company - established in 2005 in Czech by key market players

Close to 7,000 clients on the Czech, Slovak and Polish markets

Largest WEEE and batteries compliance scheme in the region

Active member of several European organizations
6 WEEE compliance schemes in the Czech Republic

- 10 million inhabitants
- 8.7 kg per person per year
- WEEE Take-Back ratio 2016: 50%
- EU Take-Back target 2016: 40%
1. Organization of WEEE collection from the public
2. Collection in stores
3. Activities to stimulate collection
4. Cooperation with municipal / regional authorities
5. Practical activities & Financing
Scheme’s operations chart in Czech

Organization of WEEE collection from the public
Collection Network

- Municipal collection points
- Contracting municipalities with mobile collections
- Collection yards in municipalities
- Points of sale and services
- Collection points in schools
- Collection points in companies and institutions
- Public Containers for small WEEE

Organization of WEEE collection from the public
Municipal Collection point

ADVANTAGES

- Availability of existing collection places (municipal or commercial)
- Primary „Waste place“ for residents
- Easy accessible for residents
- Using of existing waste infrastructure
- Easy promoting of collection point and take-back

ORGANIZATION

- Optionally legal requirement for density of collection network
- Usually in all areas where EEE are sold to consumers
- Primarily municipal collection yards / shops / repair shops
- Contractual cooperation (contract between compliance scheme and owner of collection point)
- Providing of collection containers
Collection in stores

- Shops as the closest Electronics waste collection point
  - All people know where they are buying products
  - Easiest access
  - After municipalities the 2nd biggest stream of Electronics wastes

- Motivation for shops
  - Obligations defined in the law
    - *In Poland all shops having sales over 400m² are obliged to collect small products (below 25cm)*
  - Incentives and contracts with take back systems

- Promoting of take-back
  - Discounts after bringing old product

- Collection containers
  - Delivered by take back systems
  - Available for public
How to stimulate a collection?

- **Availability of „public“ collection places** (municipal or commercial)
  - Contracting and marking of collection points
  - Accessibility
  - Register or on-line map with collection points

- **Motivation**
  - Collection points (*financial contribution, Take-back guidelines*)
  - Municipal & Regional authorities (*Reduction of municipal waste – cost saving*)
  - People (*PR & Awareness campaigns*)

- **Visibility and Promoting of take-back**
  - PR & Awareness campaigns and events

- **Collection containers**
  - Sorting on municipal level
  - Operational cost savings
ASEKOL Collection point – Visibility & Information

Notice – Collection point

Take-back Guideline

Activities to stimulate collection
Information for consumers

Available in collection points, shops, repair shops, municipal or administration buildings, schools, stations........
Collection containers

Outdoor Containers
- E-House
- Cage container
- Fluorescent Lamps
- Abroll
- Street Container

Indoor Containers
- Small EEE
- EKO-centre
- EKO-centre
- Small EEE
- Lightning bulbs
- Batteries

Activities to stimulate collection
Cooperation with Authorities

Municipal
- Creating of collection points
- Providing of collection containers
- Improving of waste sorting
- Reporting of collected waste
- Take-back information brochures
- Newsletters for municipalities
- Public awareness
- Organizing of promotional collection events

Regional
- Motivating of municipalities
- Regional meetings
  - Collection development & Achievements
  - Sharing of the best practices
- Take-Back developing projects
- Regional collection charity projects
- Public awareness events
  - Financial contribution of regional Authority

Cooperation with Associations of municipalities and regions
Information for Authorities

Cooperation brochures for municipalities

EKO-CENTRUM
na vašem úřadě, ve vaší firmě

Podpora obcím
Máchání a výhody spolupráce
při přípravě nahoru elektronického

Take – Back magazine

Take-Back

Recycling at school
On school day, a variety of recycling

Five years of WEEE treatment
The first five years of EE treatment

Sonet duo tape
The story of the tape

Containers in the streets
In every European country

Sonet duo tape
The story of the tape

Take-Back

Cooperation with municipal / regional authorities
Municipal / Regional Cooperation

Regional Public Awareness Event

Eco - Certificate

Project fund for Municipalities

Special fund for financing of improvement municipal collection yards.

Cooperation with municipal / regional authorities
Public Collection / Awareness

- Educational campaigns & Projects
  - Public PR and local events
  - Educational project for children and schools

- Collection project
  - Individual collection project
  - Competition of collection points (awarding of winners)
  - Regional and national

- Public awareness & Collection project
  - Public collection projects (awarding of winners)
  - Connected to public awareness events
  - Charity projects & Events
  - National or regional

Target:
- Promoting of Take-back
- Education of people
- Environmental education
- Social Commitment
- Stable (increasing) Collection

Activities are financed either by compliance scheme or co-financed by municipality/regional authority
The Recycling Games project teaches separation not just to children, but to the entire family.

- **760,000** students
- **3,263** schools
Mobile phones need not end up in general waste or at the bottom of a drawer.

- 121,000 mobiles collected
- 1,900 mobiles donated

A discarded computer can continue to serve those in need.

- 1,000 computers collected
- 100 computers donated

Donation Projects

- Give your mobile
- Give your computer

Practical activities & Financing
Firefighters Project

- Volunteer Firefighter Brigades
- Municipal collection
- Financial contribution for collected WEEE
- Competition between brigades
- Incentives for collection
- 1,430 registered Fire Fighter brigades

Recycle with Fire Fighters

A SCHEME FOR COLLECTION OF END-OF-LIFE APPLIANCES

The scheme Recycle with Fire Fighters entered into its 4th year this year engaging 1,000 registered volunteer fire brigades, which have collected 3,450 tonnes of end-of-life electric appliances.

COLLECTIVE SYSTEMS
ELKTROWIN a.s. and ASEKOL, s.r.o. are non-profit companies founded by producers of white goods that collect and process waste electrical and electronic appliances under the collective waste law. They arrange for recovery, separate collection, processing, and disposal of electric appliances.

PRINCIPLE OF THE SCHEME
A volunteer fire brigade registered in the scheme Recycle with Fire Fighters organizes a collection event and receives remuneration for the collected appliances.

WHAT TO COLLECT
Big and small home appliances, “anything that can be plugged in a socket or works on batteries.” The recovered appliances are sorted out into four collection and logistic groups at the recovery points:

- a) cooling
- b) large appliances
- c) bags (other appliances – small)
- d) TV sets, monitors

To be recovered, electric appliances must be complete, i.e. not disassembled!

AND A BONUS...
Every year a competition takes place among the most active fire brigades in a region for material prizes or a financial reward. The AFP promo team visits the fire fighters’ competitions and festivities regularly.

www.recyklujtehsasici.cz

Practical activities & Financing
- Regional projects
- Focus on small WEEE + Batteries
- Informational campaign
- Motivation for people
- Co-financed by regional authority

Public Project

Practical activities & Financing
Take-back annually CZ saves (Example of LCA)

- 11 million tonnes of oil
- 219 000 MWh of electricity
- 949 million litres of water
- 8 000 tonnes of primary raw materials
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