

NGO (MOI Reg. no. 595)





Create the
Sustainable Social
Impact (SSI) behavior
change through a
national awareness
program on various
channels and
mediums.



The promotion of good environmental practices among the Lebanese communities as a fundamental commitment to sound development.



Increase E-waste contribution to the circular economy by increasing rate of material recovery



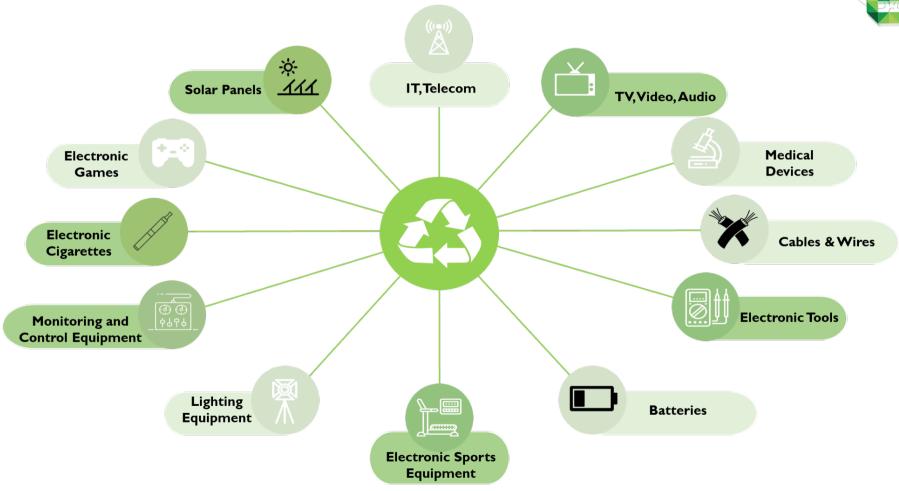
Vision

Create a communal Eco Environment with controlled proper hazardous waste disposal

Strictly Confidential - Not to be shared without written consent from Ecoserv

SURROUNDED BY ELECTRONIC EQUIPMENT..







TOXIC MATERIALS FOUND IN E-WASTE



Microwaves, Electronic Circuit Boards, Switches, Relays Disruption of cell growth, cardiovascular diseases, cancer, diabetes



Rechargeable Batteries

Sinuses, Cancerogenic in large doses



Batteries, Cellular Phones Loss of calcium in bones, lung damage and respiratory problems



Cellular Phones

Risk of Argyia



Plastic Hardeners, Pigment Dye, Metal Coating **Skin Irritation and rashes,** potentially cancerogenic



Motherboards, Connectors Cancerogenic, permanent lung scarring



Copper Wires, Printed Circuit Board Tracks

Throat and lung irritation, liver and kidney damage



Batteries, Flat Screens, Switches Short Term: Lung damage, diarrhea, vomiting. Long Term: brain and kidney damage, skin discoloration



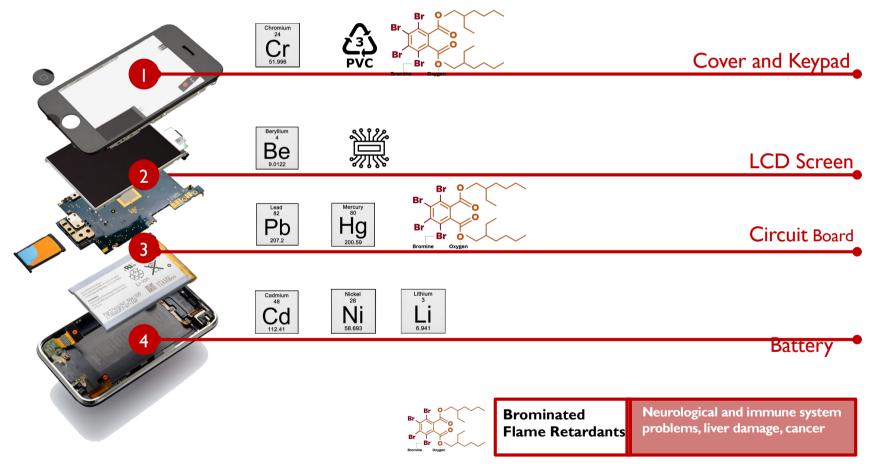
Computer and TV Monitors, Batteries Impairment of cognitive and verbal activity, paralysis, immune and vascular system, coma and death



Screens, Keyboards, Mouse, Laptops, Flash Memories... Harms immune system and causes cancer

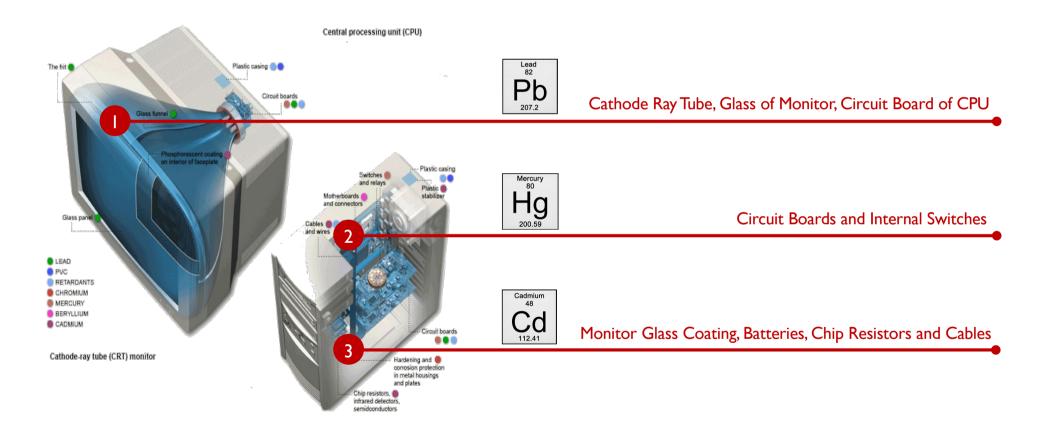
A Closer Look: Mobile phone Hazardous Components



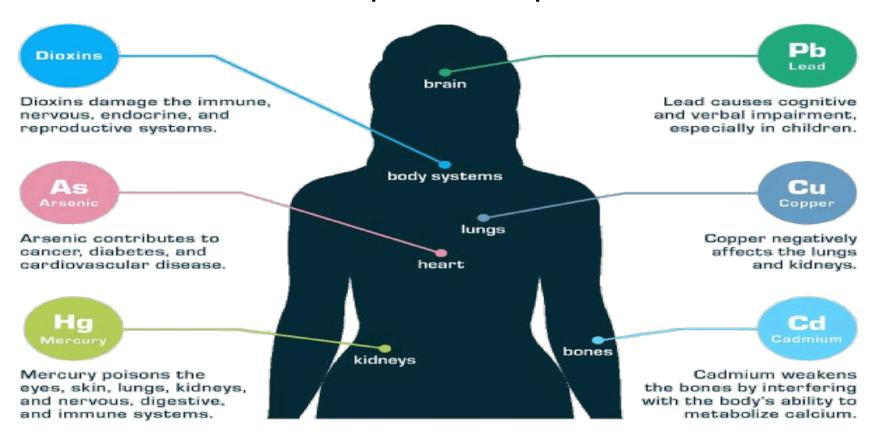


A Closer Look: Desktop Hazardous Components





A Closer Look: Examples of impact on human health



E-Waste Reality



Major volume goes to Landfills, open dumpsites and haphazard handling by scrappers

2021	Worldwide	MENA	Lebanon
E-waste generated	55M MT	3.72M MT	47K MT
Estimated at	\$ 70 B	\$ 4.7 B	\$ 59 M
Proper disposal/recycling 20%		5%	1.5%
Growth per annum	4 to 5%	6%	1.8%



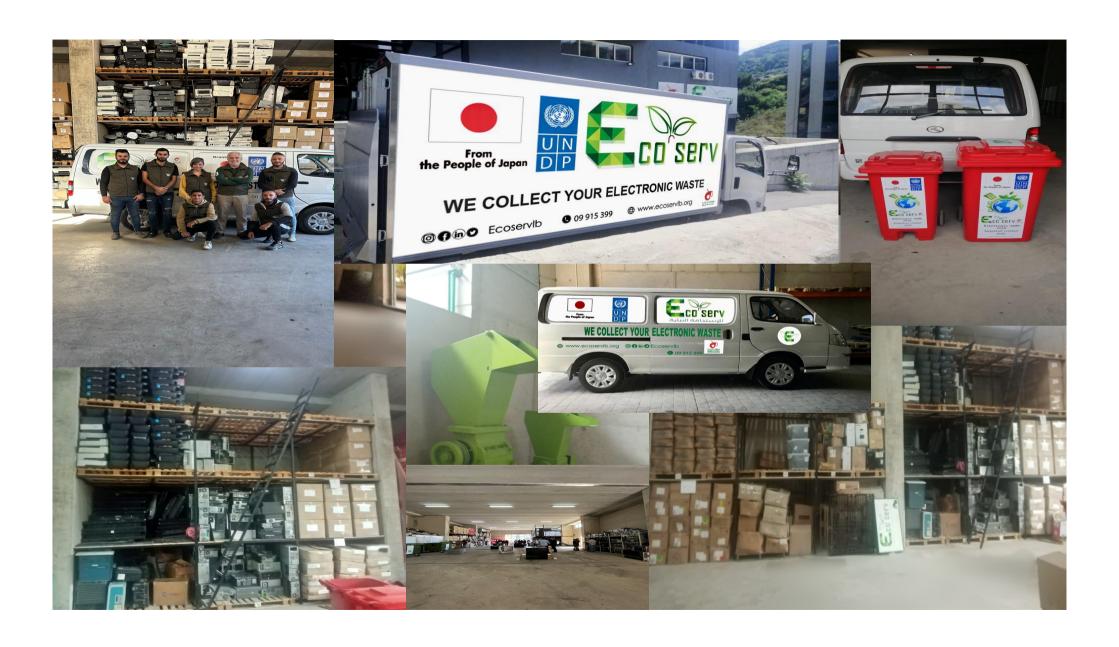
E-Waste Disposal in Lebanon is Ineffective!



Ecosery Premises



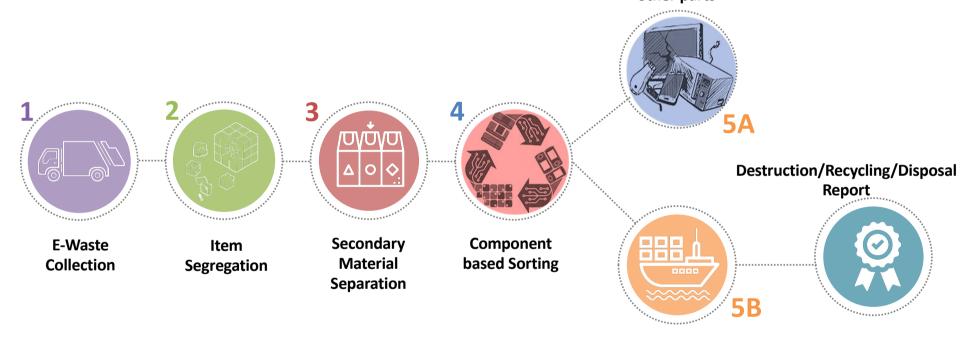




Current Ecoserv Local Operation



Local recycling of Plastics, Metals, and other parts



Shipment of components that may contain toxic material to Certified International Recycling Plants

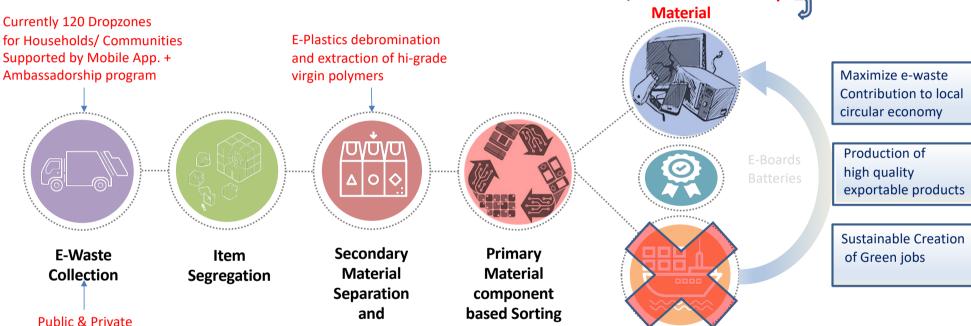
Planned Ecoserv Local Operation for

2024-2025

Recovery

Local recycling of Plastics,
Metals, and other Primary





Shipment of components that may contain toxic material to Certified International Recycling Plants

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Institutions



1a₋ E-Waste Collection







Ecoserv Drop Zone Bins

OFFICIAL ECOSERV DROPZONES TOGETHER FOR A GREENER LEBANON



© BEIRUT

- **1** ACHRAFIEH

 - LAU, MEDICAL CENTER
 - ITG ABC ACHRAFIFH MACSHOP L1
- LEO BURNETT
- **ADLIEH**
- BERYTECH **BADARO**
- COMPULIFE
- **I** DOWNTOWN
 - BERYTECH - SPFFD
- STRATEGY& **I** HAMRA
- . MICROCITY - MICROTECH
- **II** JNAH
- MICROCITY
- THE SUBMARINE - SADCO SAMI DANDAN & CO.
- MAR MIKHAEL
- FACULTE DE MEDECINE USJ - RECTORAT USI
- **MA7RAA** - SIA COMPUTERS
- **I** NAHR
- **SAIFI VILLAGE** - THE CIRCULAR HUB, ECOCONSULTING

MOUNT // LEBANON <

- AMA [
 - PAROISSE NOTRE DAME DE DONS
- AIN EL ROUMANEH
- FID COMPUTERS (ECA) - VOIX DE LA FEMME LIBANAISE
- 1 ALFY - STAR COMPUTER
- **T** BAABDA
- COLLEGE DES PERES ANTONINS - COMPLICOM
- **T** BATLOUN
- RATIOUN MUNICIPALITY
- **BEIT MISK** - BEIT MISK
- **1** BICKFAYA - BICLEAN
- MUNICIPALITY OF BICKFAYA
- **BSALIM** - TECHNOLOGY REPAIR CENTER
- **1** CHHIM - BIG BOYS GADGETS, BBG
- 1 CHOUF - FEDERATION OF CHOUF MUNICIPALITIES
- **T** DAMOUR
- COLLEGE DU CARMEL SAINT JOSEPH - COLLEGE DES SOEURS DES SAINTS COEURS
- **GHAZIR** - THE KESERWAN MEDICAL CENTER (KMC)
- **T GHADIR** - SCOUTS DU LIBAN

- **I** JBEIL
- IRFIL SUPERMARKET
- HOPITAL NOTRE DAME DES SECOURS

AS AT JANUARY 2021

- **I** JDEIDEH
- CR COMPUTERS **JOUNIEH**
- ATCI **1** KASLIK
- USEK **1** KFARNABRAKH
- SUSTAINABLE COMMUNITY ASSOCIATION
- **T** KHALDEH - YOGA CLASS
- MAJDEL BANA
- MUNICIPALITY OF MAJDAL BANA
- **MANSOURIEH** TECHSHEILD
- DOMTECH - COLLEGE DES SOEURS DES SAINTS COEURS AIN NAIFM - HITEK PRO
- **I** MZARAET YASHOUH
- SAADEH COMPUTERS **MECHREF**
- RAFIC HARIRI UNIVERSITY - MECHREE MUNICIPALITY
- **MKALLES** - ITG, MPS SERVICE DEPARTMENT
- BERYTECH **NACCACHE** - ZERO4 / KASSER4LEBANON

NAHR IBRAHIM

- LYCEF FRANCO-LIBANAIS NAHR IBRAHIM
- **NAAMEH** - ABED CELL
- RABWEH - CROSS TALK
- **TRAYFOUN**
- RAIFUN MUNICIPALITY **TROUMIFH** PR CLUB-LEBANESE UNIVERSITY
- FACULTY OF ENGINEERING **SAHEL ALMA**
- FLECTROKASSIS SED EL BAOUCHRIEH
- . ARAR PRINTING PRESS
- **SERJBEL** - O WASTE COMMUNITY
- SIN EL FIL
- ITG, ALCS SERVICE DEPARTMENT
- **I** ZALKA - FAHED SUPERVALUE



© NORTH LEBANON

- **T** BATROUN - ACE COMPUTERS
- **1** BCHAALEH
- BCHAALEH MUNICIPALITY
- T DFR FL AHMAR
- **T** EHDEN
- EHDEN MUNICIPALITY TAMAH I
- HAMAT MUNICIPALITY **1** KOURA
- BALAMAND UNIVERSITY RAS MASOA
- HOPITAL ALBERT HAYKEL - LEBANESE UNIVERSITY FACULTY OF SCIENCES
- I SIR EL DENNIEH - HOPITAL ASSOUN
- TRIPOLI
- NINI HOSPITAL FUROTRADE (FLEMENTS MULTIMEDIA)
- NAR COMPLITER - DABASS COMPUTERS TECHSHIELD ZAHED COMPUTERS
- **I** ZGHARTA
- CENTRE HOSPITALIER DU NORD (CHN) 7GHARTA MUNICIPALITY - PUBLIC LIBRARY ZGHARTA EHDEN



- **1** KHERBET SELM
- MUNICIPALITY OF KHERBET SELM
- **NABATIEH** - ADCO
- **SAIDA**
- CITY TECH **TYRE**
- HILAL COMPUTERS



- **BAALBEK** - COMPUSUN
- **TERZOL**
- MICHEL DAHER SOCIAL FOUNDATION
- WEST BEKAA - AL BUHAIRA UNION OF MUNICILAPITIES
- **ZAHLE** - COMPUTOP - COMPUTRONICS



... AND GROWING



Ecoserv Mobile Application



(for IOS and Android)





Main Features

- ✓ Ecoserv DropzonesGuide
- √ 'Near Me' options
- ✓ Request Collection
- ✓ Register in EcoservPrograms
- ✓ Join Ecoserv Network



1b- Reception & Decontamination







2-Item Segregation









3-Material Separation & Destruction









4 Component Based Sorting









40% of e-waste

composed of high-grade plastics mixed with BFR

18,400 MT of E-plastics



Brominated
Flame Retardants

Neurological and immune system problems, liver damage, cancer



Turning unsellable E-Plastics to valuable RM

Innovative Green Process Techniques

Eliminate Environmental and Health Hazard

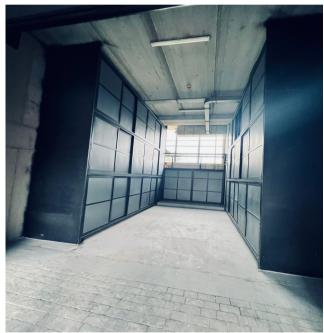


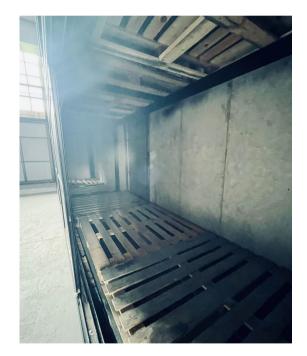




INSULATED BATTERY STORAGE / TREATMENT UNIT







ReFit Project financed by the EU



Ecosery Ambassador Program..



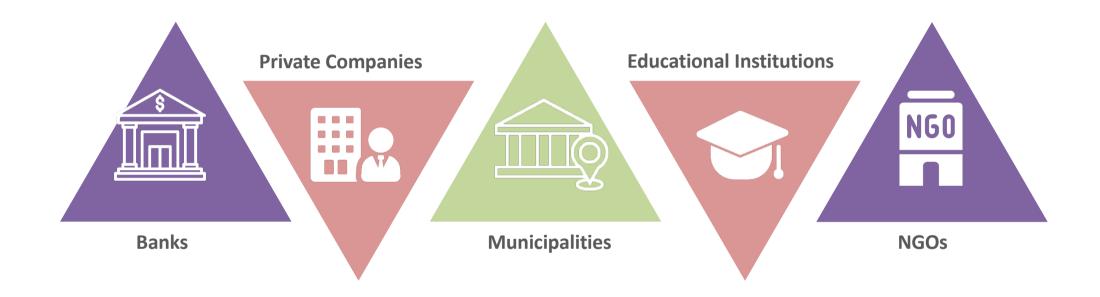


..Influence Change



Key Partnerships





We Spread Awareness Together!







































TELETRADE

OMNIPHARMA SAL

FAHED SUPERVALUE

HOLDAL





















Schools*

mtv

SGBL



Creditbank:





dar al-handasah



UNIVERSITÉ SAINT-JOSEPH

جامعة القديس يوسف















SAVE THE ENVIRONTMENT

CONTACT US



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