

# Sustainable Repowering of Energy Assets

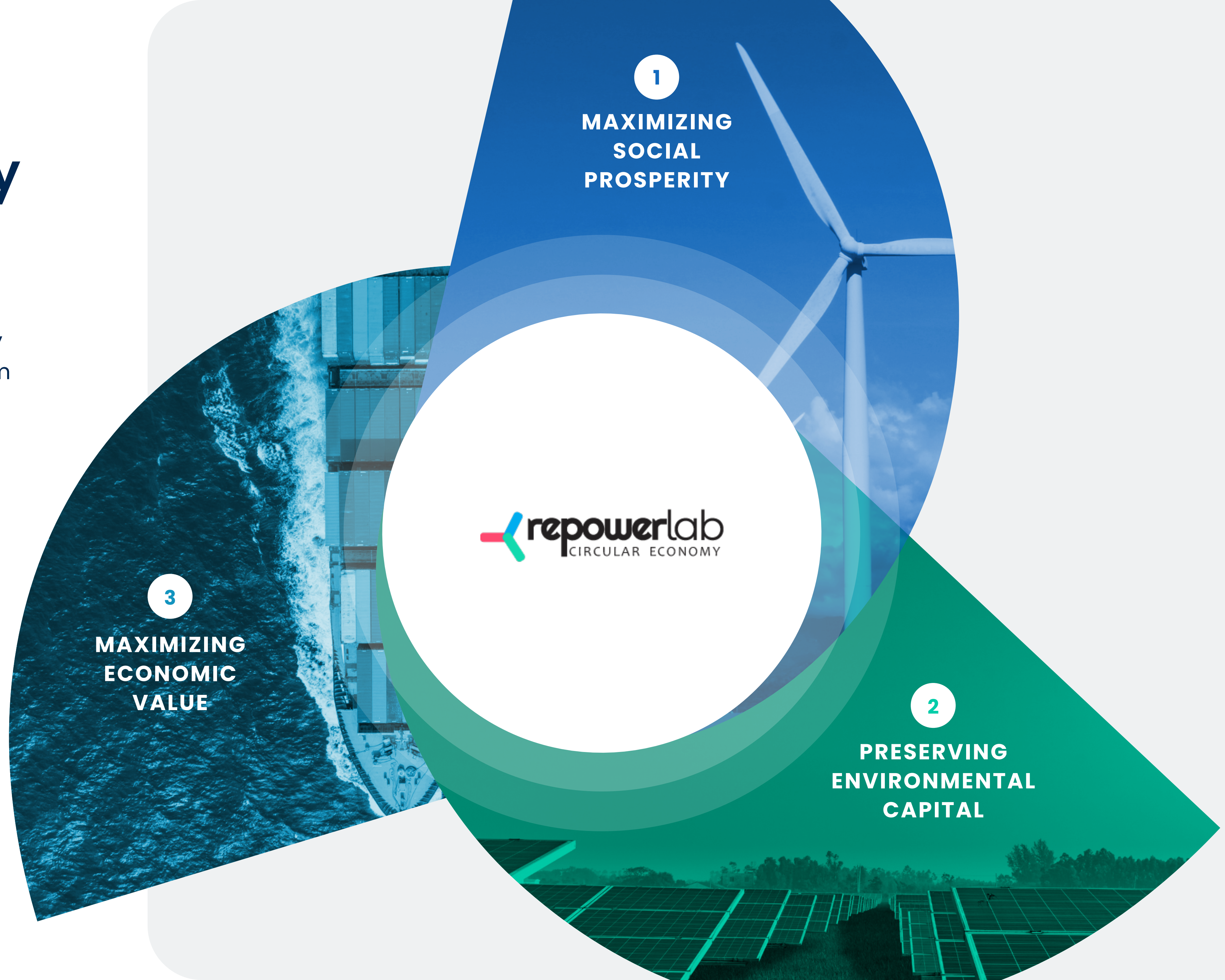
COMPANY INTRODUCTION



# CIRCULARITY IN THE Clean Energy Transition

Repowerlab Circular Economy  
Provides solutions to transform  
end-of-life renewable energy  
farms and equipment into

**PRODUCTIVE ASSETS**



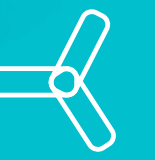
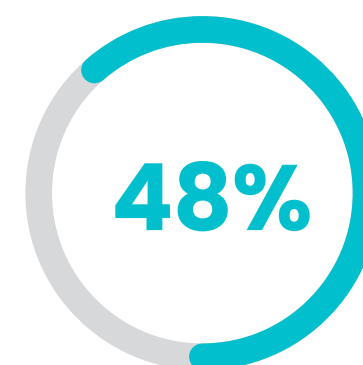
# Data on Wind Energy Industry Circular Economy

Life extension and material recovery reduces environmental impacts by reducing landfill and offsetting a portion of the demand for virgin materials.

Extending blade life by 5 years is estimated to reduce life-cycle environmental impacts by



while a 10-year lifetime extension reduces impacts by



## REPOWERING

The life of currently installed wind turbine blades can be extended by another

**20 TO 30**  
YEARS

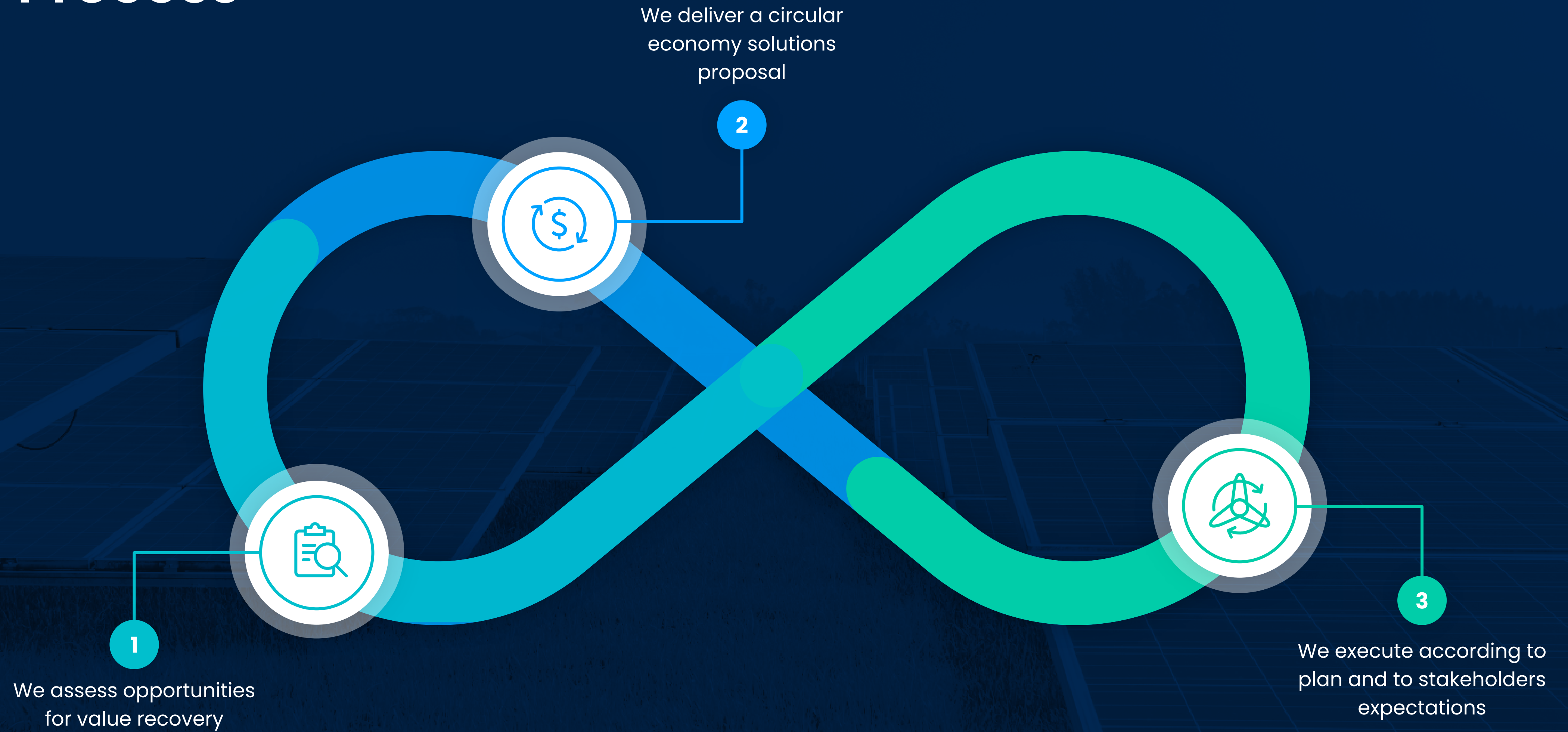


## RECYCLING

Material and energy can be recovered from some portions of the turbine.

**85 TO 90%** of the weight of a wind turbine is **recyclable**.

# Our Process



# Repowerlab services

RepowerLab is the full-service supplier in the field of used wind turbines. We provide deep knowledge in energy asset value recovery and project development with decades of experience in developing, financing, operating and decommissioning of global energy projects.

We work along the entire value chain for the repowering of wind farms, from the strategic planning of the project, through the entire process of recovery and dismantling of the asset, to the resale of parts in secondary markets, while generating economic, social, and environmental value.



## REPOWERING WIND FARMS

We recoup the value of assets by offering state-of-the-art repowering solutions including:



**Lifetime extension**



**Repowering**



**Dismantling, commercialization and decommissioning**



## WIND TURBINES MARKET PLACE

We buy and sell unused, refurbished or second-hand wind turbines, wind turbine parts and plant equipment, and take care of all the logistics in the value-chain.



## PROJECT DEVELOPMENT

We invest, develop, and operate wind and solar projects to drive the low carbon transition for the long-term benefit of communities and society. We develop projects and implement solutions from start to finish in "Turnkey" mode.



# Other Services



## INSPECTION

Independent, transparent, and objective inspections of wind turbines



## PURCHASING & SALES

Provide high quality asset procurement and assurance through timely, accurate and proactive reporting.



## DISASSEMBLY & TRANSPORT

We apply the highest standards in every operation, strictly respect all safety rules, use certified equipment, and follow the guidance of local municipalities.



## REFURBISHMENT WIND TURBINES

Remanufacturing of wind turbines of different sizes.



## BLADE RECYCLING

We offer three tracks:

- a** Mechanical shredding
- b** Cement co-processing
- c** Reuse of blades for the manufacture of new products

# Wind Turbines Market Place

Our catalogue incorporates two types of energy generation assets: new second-hand assets and used assets.

## 1 NEW SECOND HAND ASSETS

Not installed yet equipment (never used). Usually, it is from projects that were not implemented for a wide range of different reasons.

## 2 USED ASSETS

These were installed and have been in operation, but they are currently uninstalled and for sale.



We have a stock of used wind turbines and auxiliary from the **REPOWERING OF WIND FARMS** and unused turbines from the **SECONDARY MARKET**. Spare parts and consumables for wind turbines.



# Our Numbers

Our team has a proven track record of creating value for our clients.

**416**

Wind Turbines Sold



**45**

Satisfied Clients



**29**

Finished Projects



**16**

Dismantled Wind Farms







## Victoria Galeano

 UNITED STATES

victoriag@repowerlab.com

+1 (202) 271-5608

## Alfonso Alvaro

 ESPAÑA

alfonso.alvaro@repowerlab.com

+34 (618) 680986

## Fernando Garcés

 COLOMBIA

Fernando.garces@repowerlab.com

+57 (317) 2898388

