

Improving our world through wise material use and multi sector collaboration



John Bradburn
Sustainable Material Solutions

A Modern Tree Hugger



Are we expanding our work to solve the worlds greatest sustainability challenge?

Global Turbulence

Hurricanes, floods, tsunamis, tornados, drought

Biodiversity loss, te

poverty, disease

Hunger, unemploy

Mental Illness



Waste is a Resource Out of Place

All companies
should set a
goal to generate
0 revenue, have
0 costs from
by-products



Moving Mountains

By-Products strategy included earmarking minor dents and scratched components on a multi-facility basis to enhance financial value



Old man Cant died a long time ago



Gulf Oil Booms Find New Life in Chevrolet Volt



227 miles

of booms incorporated
into air deflectors

212,500 pounds

of waste prevented from
entering landfills



149 tons

of CO₂-equivalent
emissions eliminated

Everyone has vision, but do they see? GM Ft Wayne Did



Buick Verano
Recycled cardboard
used in headliner



GMC Sierra
Plastic caps and
shipping aids used
in radiator shrouds



Chevrolet Volt
Old tires used in air
and water baffles



What can be done with an underutilized parking lot in a challenged neighborhood of Detroit?





Add This



And This



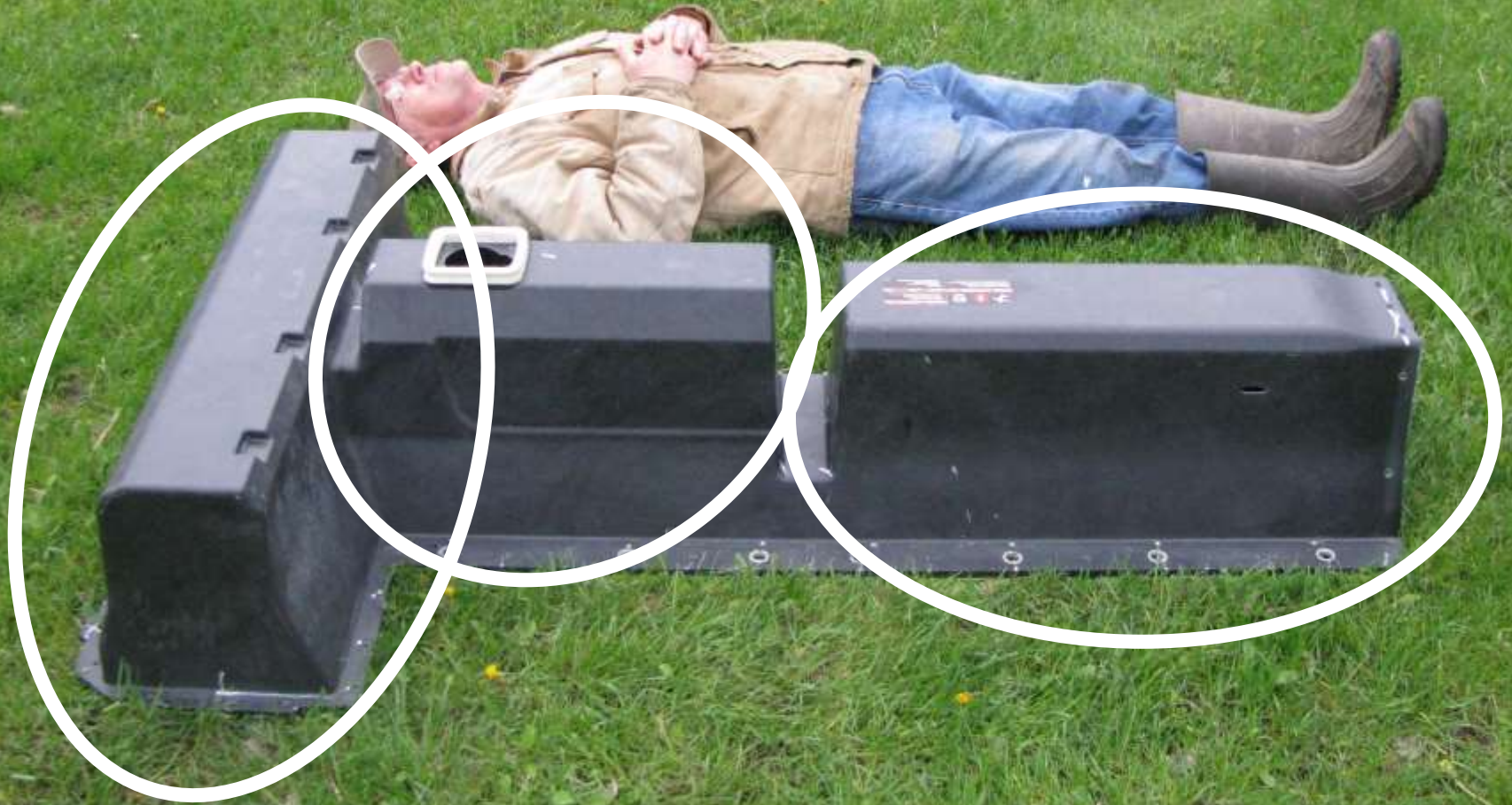
And get this, Raised Urban Garden Beds

> **2,000 shipping crates** from Orion Assembly turned into raised beds in Detroit



Provides nearby residents and soup kitchens with nutritious, locally grown food

***Don't see things as they are, see them for
what they can become***









Powering our way to help challenged populations





Mentoring our youth
to love our natural
world





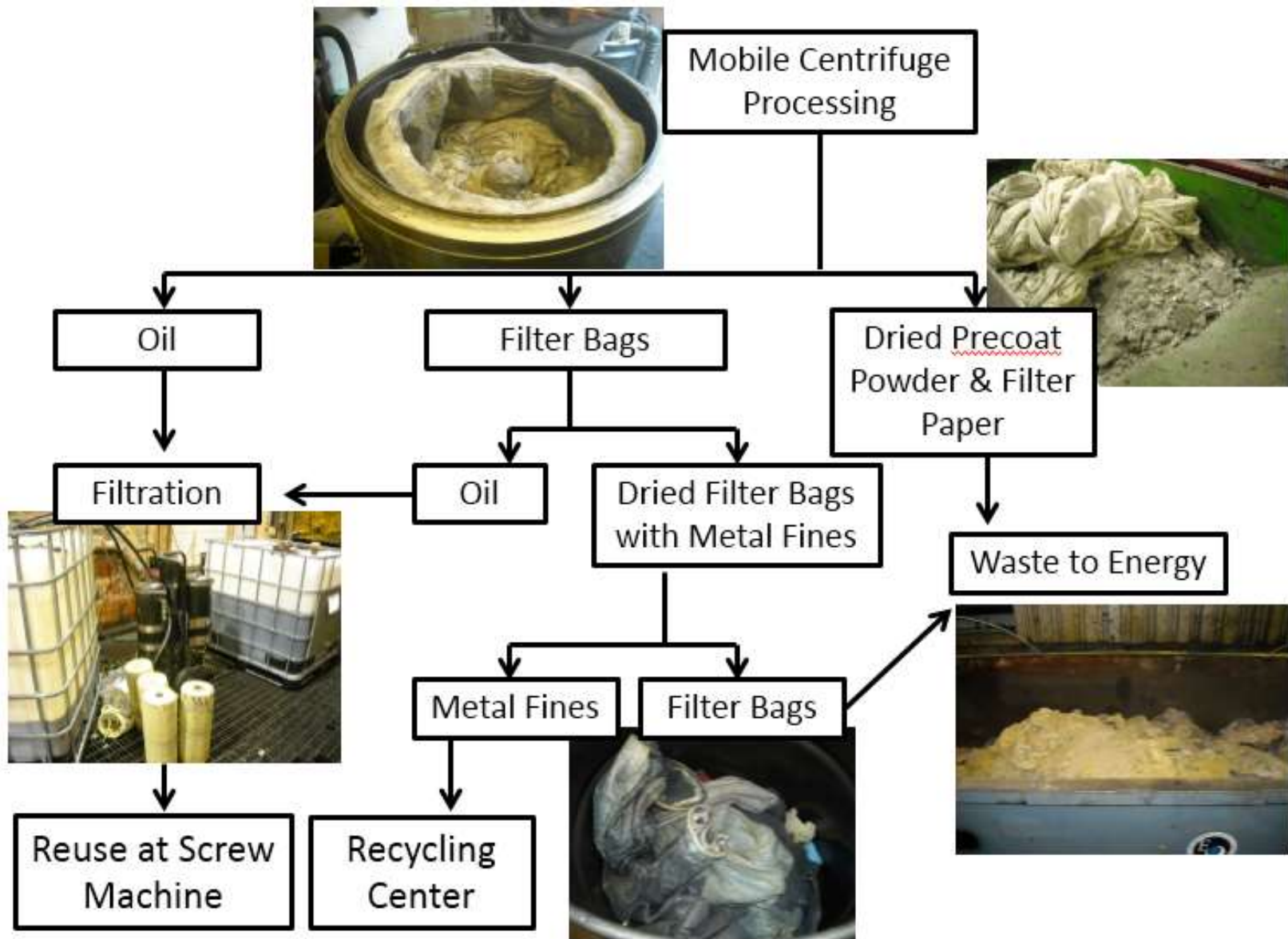
Burrowing Owl Nest

Applications for challenged Individuals to garden



***Having an idea is one thing, but
getting it done is another***







Window Cutouts=Beneficial Reuse Opportunity





Materials Marketplace Applications



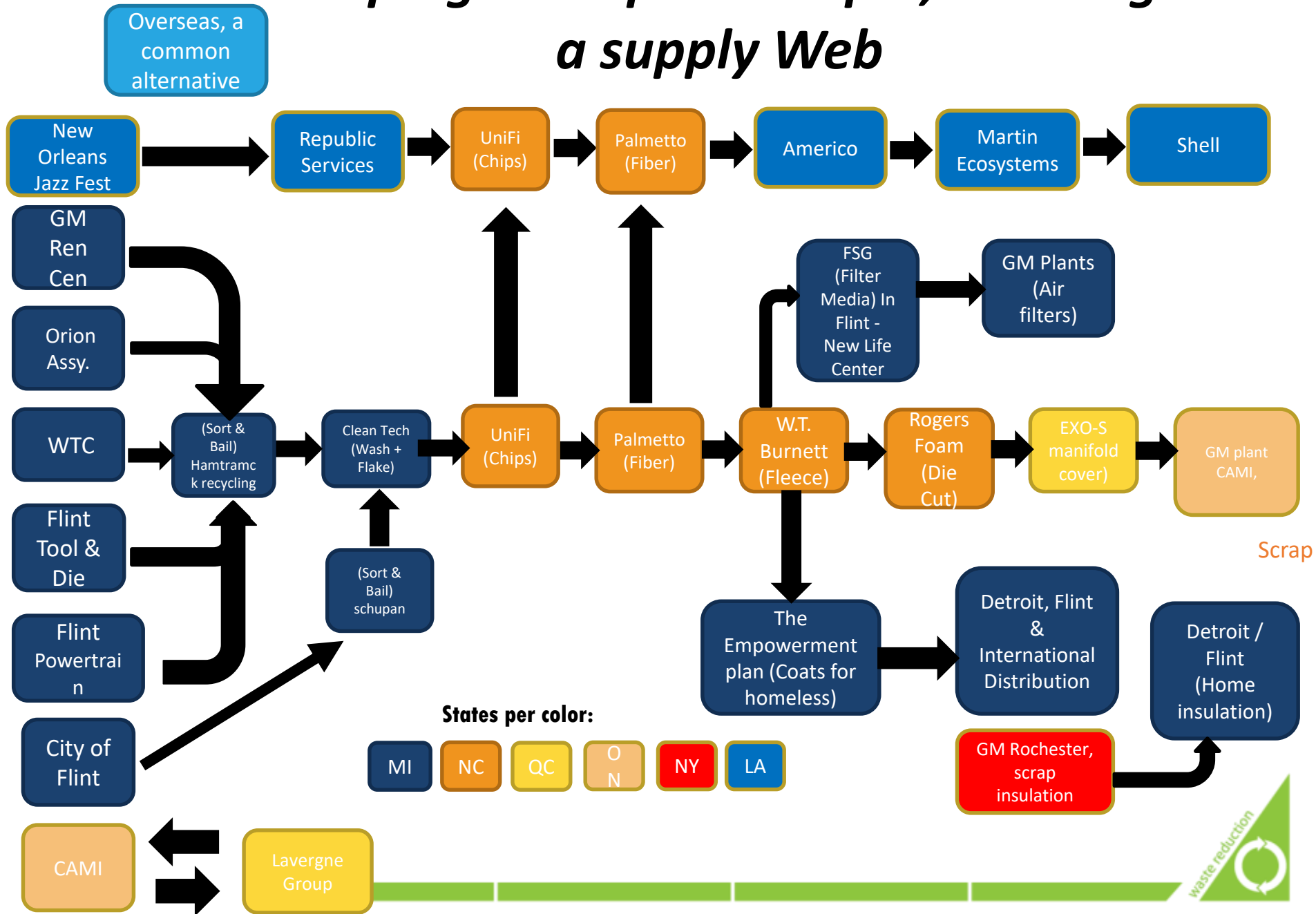
Applying Circular Economy to the Building Industry for Economic, Societal and Ecological Improvement



A project made possible by many, including an Angel and a couple working on Sainthood



Keeping it Simple is Stupid, Creating a supply Web





Do you believe in Angels?

http://www.generalmotors.green/product/public/us/en/GMGreen/home.detail.html/content/Pages/news/us/en/gm_green/2017/0301-do-your-part-video.html







Matching Physical Properties