

# GreenCentre

*Transforming Green Technologies into Green Business*

# 2012 Hannover Messe



# 2012 Hannover Messe – Sans Chemistry

# Changing Chemistry, Changing The World

- chemistry underpins our quality of life and at the heart of everything we do;
- however it is this industry, the world's largest, that presents us with our most profound sustainability challenges;
- Green Chemistry is the answer to this dilemma ... it's just Smart Chemistry.

# Changing Chemistry, Changing The World



**Smart Chemistry**  
Environment + Economy  
= Quality of Life

# Harnessing The Power of Innovation

- game changing discoveries from the academic and entrepreneurial communities have the ability to change the world;
- however, these technologies are early stage and fraught with risk;
- at GreenCentre, we take a hands on approach towards identifying, developing and de-risking these technologies;
- their effect on global sustainability is profound

# Commercialization Services

- technology assessment;
- product & application development;
- IP management;
- business development;
- scale-up manufacturing;
- licensing and NewCo creation;

# Industry Sponsors



Stepan Co.



Research and  
Advanced Engineering

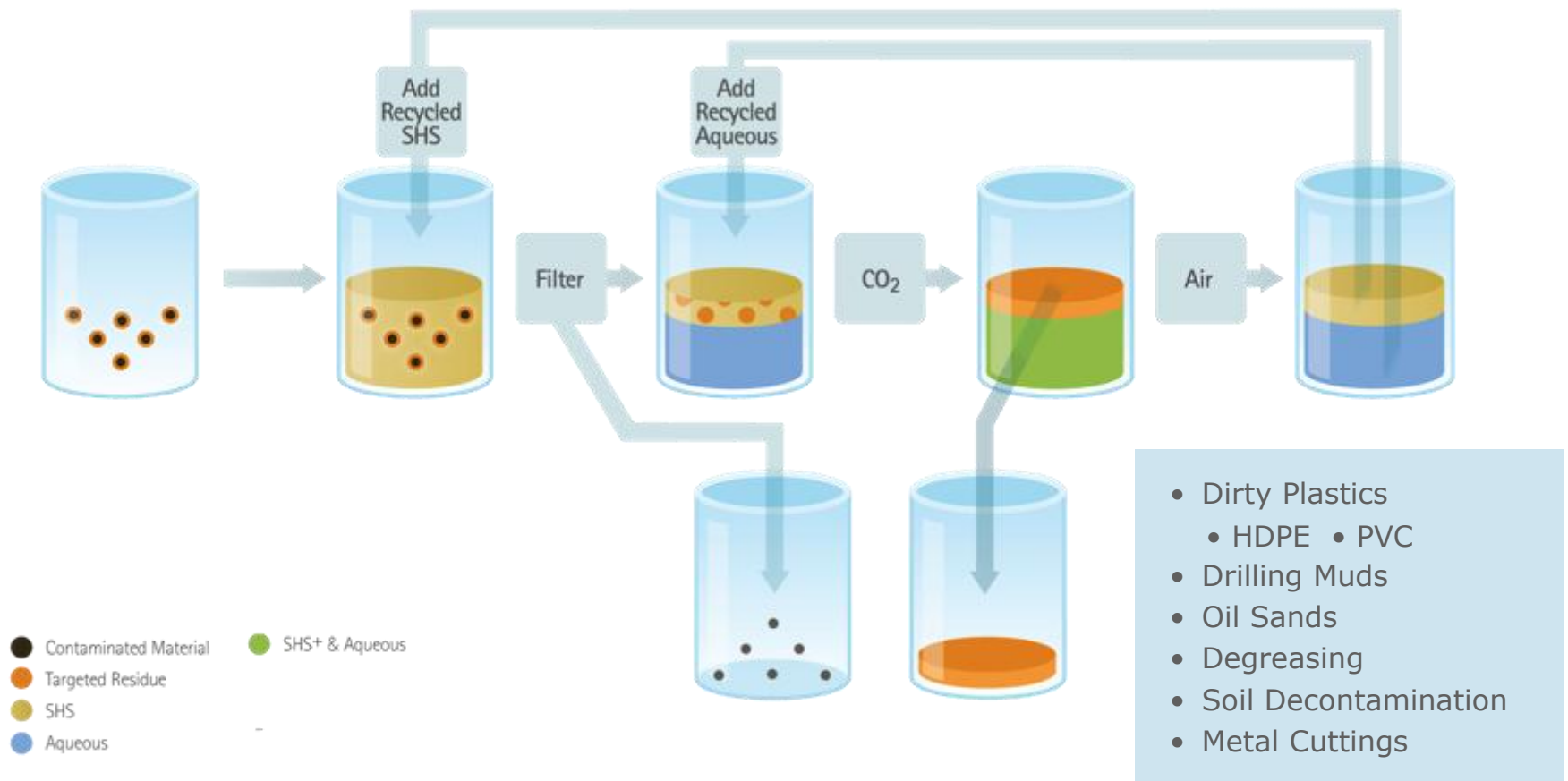


changing chemistry, changing the world



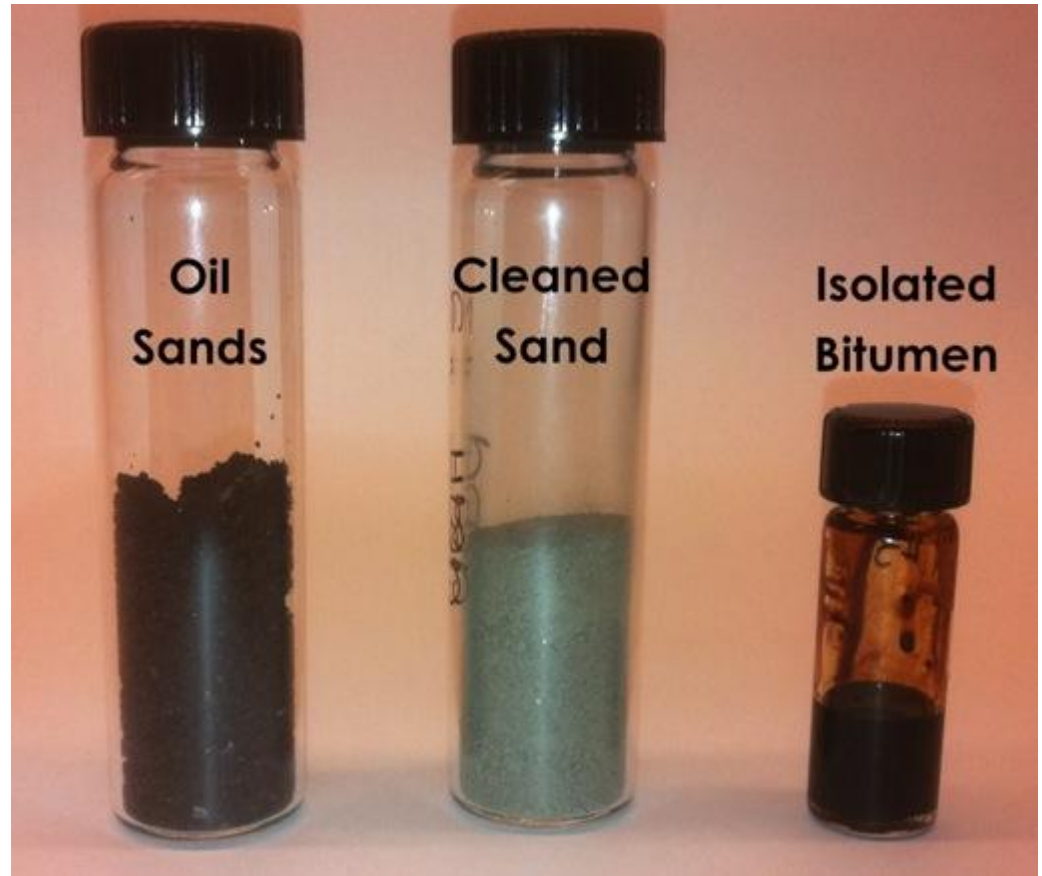
# Switchable Solvents

## Green Energy Production

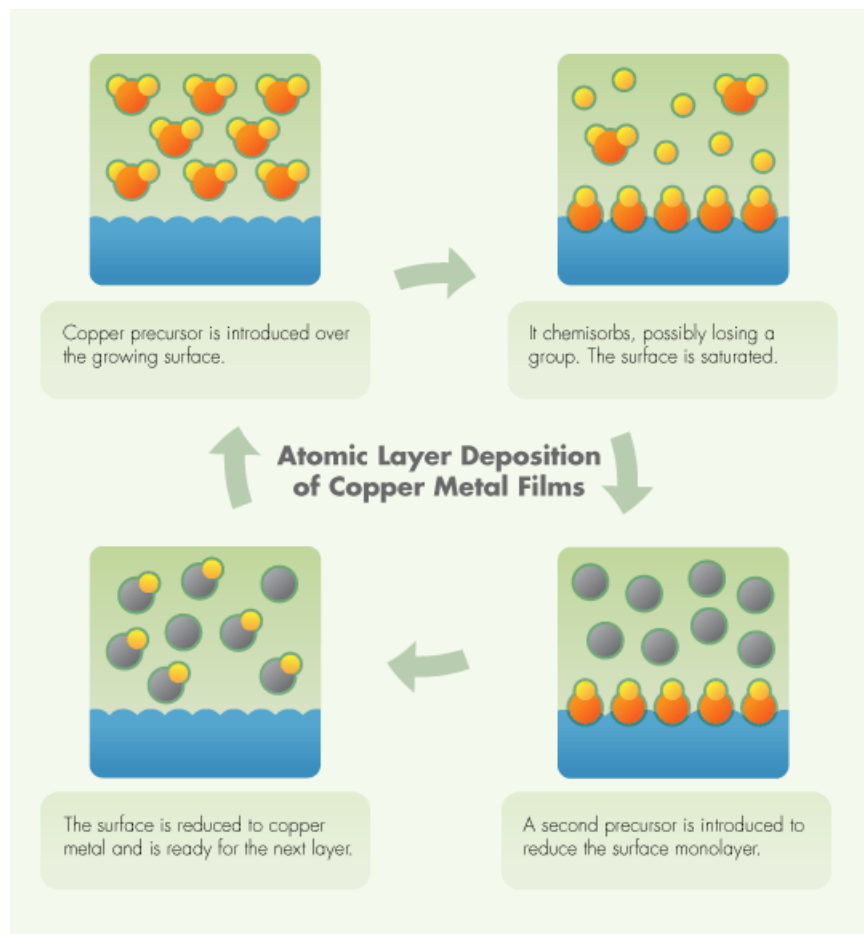


# Oil Sands Processing

- Recovered Bitumen = 13.8 wt%
- Residual Contaminants = 0.2 wt% (tol. ext.)



# Monometallic ALD Precursors



- new monometallic Cu(I) precursors for ALD with high vapor pressure and thermal stability
- replacement for CVD for 11 nm chip technology

# Green Forward Osmosis Desalination



- New technology based on our Switchable Chemistry
- Combines low energy benefits of forward osmosis with the purity levels found in high energy reverse osmosis processes
- NewCo under development

# GreenCentre Canada

## *In Summary*

- we have amassed a technology portfolio of over 350 green chemical and materials technology;
- the successful introduction of the “worthy” technologies into the market place will have a net “Green” effect on a number of consumer value chains;

## GreenCentre 2.0

- a real “hands on” investor with fund under management;
- expanded technical team and laboratory footprint in Kingston, ON;
- in-house counsel and IP management; and
- satellite offices across Canada with some key international locations.

## For More Information

### **Website**

[www.greencentrecanada.com](http://www.greencentrecanada.com)

### **Facebook**

[www.facebook.com/GreenCentreCanada](http://www.facebook.com/GreenCentreCanada)

### **Twitter**

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