



Magpie

Polymers for Precious
Metal Capture & Recovery

Pd
Pt
Au
Rh
Ru
Ir

Pt
Co
Ni
Cu
Zn
Y
Zr
Nb
Mo
Tc
Cd
Hf
Ta
W
Re
Os
Ir
Pt
Au
Hg
Rf
Db
Sg
Bh
Hs
Mt
Ds

Selective Precious Metal Capture

<http://www.magpie-polymers.com>

Steve van Zutphen, CEO Magpie


World Materials Forum, Nancy 2015

Selective capture precious metals

Filtration of **industrial effluents**

1 M€ Magpie: **10-15 M€** additional value





Every year **5.5 B€** of precious metal lost:

Innovation driven by **economics**


Real and measurable impact on
health, safety and **environment**



Manufacturer of **proprietary** precious metal capturing resins

Recurring sales of high **added value** product

Used in **standard** filtration equipment



MPX resins for precious metal capture in **refining, mining** and **WEEE recycling**

Current applications in **waste treatment**

Growth through integration **into process**



CASE STUDY:

WEEE recycling in South-east Asia

Operation losing over **10 kg of Pt** /year

With Magpie **98%** recovered at **9%** cost



Current operations in **PGM refining** (recycling and mining) and **silver refining**

Growth into **copper refining** and **rare-earth metals**



WORLD
MATERIALS
FORUM



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