Imerys Minerals Limited (IML)

Imerys Global & Local

October 2013

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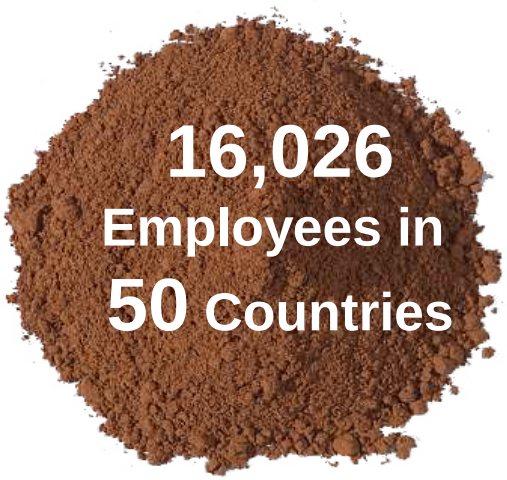
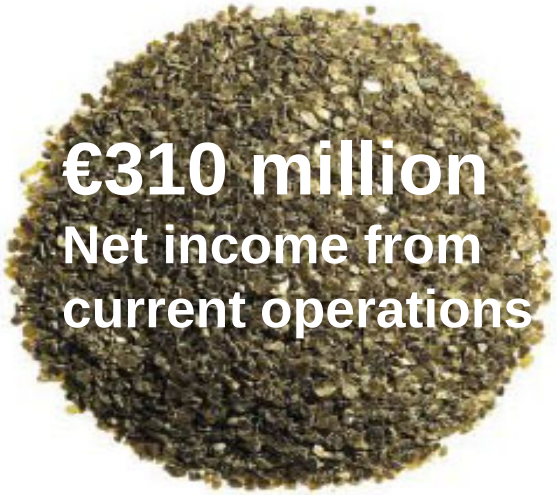
TRANSFORM TO PERFORM

Imerys – a Global Company

IMERYS mines rare resources and turns them into specialities that improve the products and processes of its customers





2012

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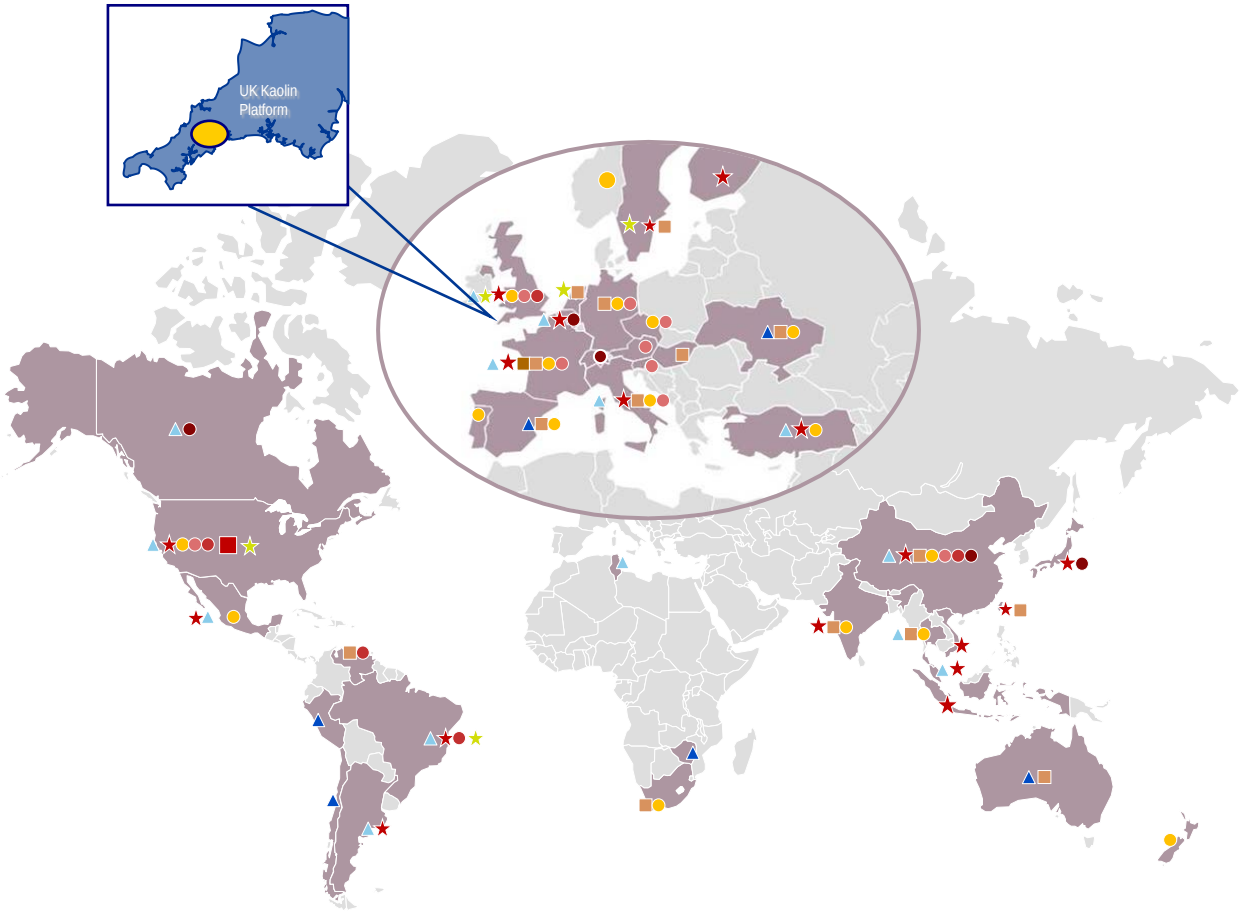
Presence in 50 countries with more than 250 industrial facilities



Energy Solutions & Specialites
- Carbonates
- Monolithic Refractories
- Graphite & Carbon
- Oilfied Solutions

Filtration & Performance Additives
- Performance & Filtration Minerals
- Kaolins

Ceramic Materials
- Minerals for Ceramics
- Building Materials

High Resistance Minerals
- Fused Minerals
- Refractory Minerals

8 R&D centers
and 20 regional laboratories

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Leadership positions in all business groups

	Market Positions	Main Competitors
Energy Solutions & Specialties *(32% of sales*)*	• World #1 in alumino-silicate monolithic refractories (Calderys) • World #1 in graphite for alkaline batteries and conductive additives for Li-ion batteries • World #1 in in lubricants for seamless tube protection • World #1 for large natural graphite powders • World #1 in minerals for breathable polymer films (GCC) • World #2 in ground calcium carbonate (GCC) for paper	Vesuvius, RHI, Nacional de Grafite, Omya, SMI, Carbo Ceramics
Filtration & Performance Additives *(28% of sales*)*	• World #1 in kaolin for paper • World #1 in talc for plastics, paints, paper, ceramics, health & beauty • World #1 in mica and in mica for engineered plastics and high performance coatings • World #1 in diatomite and perlite for filtration	BASF, KaMin, AKW, Thiele, JM Huber, Sibelco, Eagle Picher, CECA, S&B, Grefco, Mondo, IMI Fabi
Ceramic Materials *(20% of sales*)*	• French #1 in clay roof tiles and for natural slates • World #1 in raw materials and ceramic bodies for sanitaryware • World #1 in kaolin for fiberglass • World #1 in kiln furniture for roofing tiles	AKW, Sibelco, Unimin, Rio Tinto, Terreal, Monnier, Wienerberger, Saint-Gobain
High Resistance Materials *(20% of sales*)*	• World #1 in fused silica • World #1 in fused minerals for abrasives • World #1 in fused zirconia • World #1 in alumino-silicate minerals for refractories	Almatis, Washington Mills, 3M, Saint-Gobain, Foskor, Kaolin AD, Minco

** 2012 consolidated sales*

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China Clay - History

China Clay was first mined in the Jiangxi province of China, from as early as 500BC

- Local potters used the clay to create fine white porcelain that became fashionable in Europe in the 18th Century - and is where the widely used term China Clay originates.
- The market demand for fine white porcelain led European Chemists to identify the composition of the white clay as predominantly a mineral, a hydrated aluminosilicate. They called it Kaolin after the Chinese word “Kauling” which means hill or ridge.
- The search for china clay led geologists to the granite moors of Devon and Cornwall. The granite contained 3 minerals - feldspar, quartz and mica. In South Dartmoor and mid Cornwall the white feldspar had decomposed over millions of years, deep underground, at high temperatures and pressure to form a primary deposit of China Clay
- It was a Plymouth Chemist, William Cookworthy, who first discovered China Clay deposits in Cornwall in 1746 at Tregonning Hill near Helston and latter in 1748 near St.Stephen in Mid Cornwall.

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IMERYS ‘The Hidden Wealth of Cornwall’

By the end of the 20th Century the contribution of china clay to the economic and social development of Cornwall exceeded that of tin and copper production.

The value of clay sold is put at around £15 billion to date - more than double the value of metals mined in Cornwall.

China Clay - Cornwall’s Industrial Heritage

Cornwall is a county known for its historical mining heritage. Unlike the county’s tin and copper mines, the extraction of kaolin or white china clay is a thriving industry.

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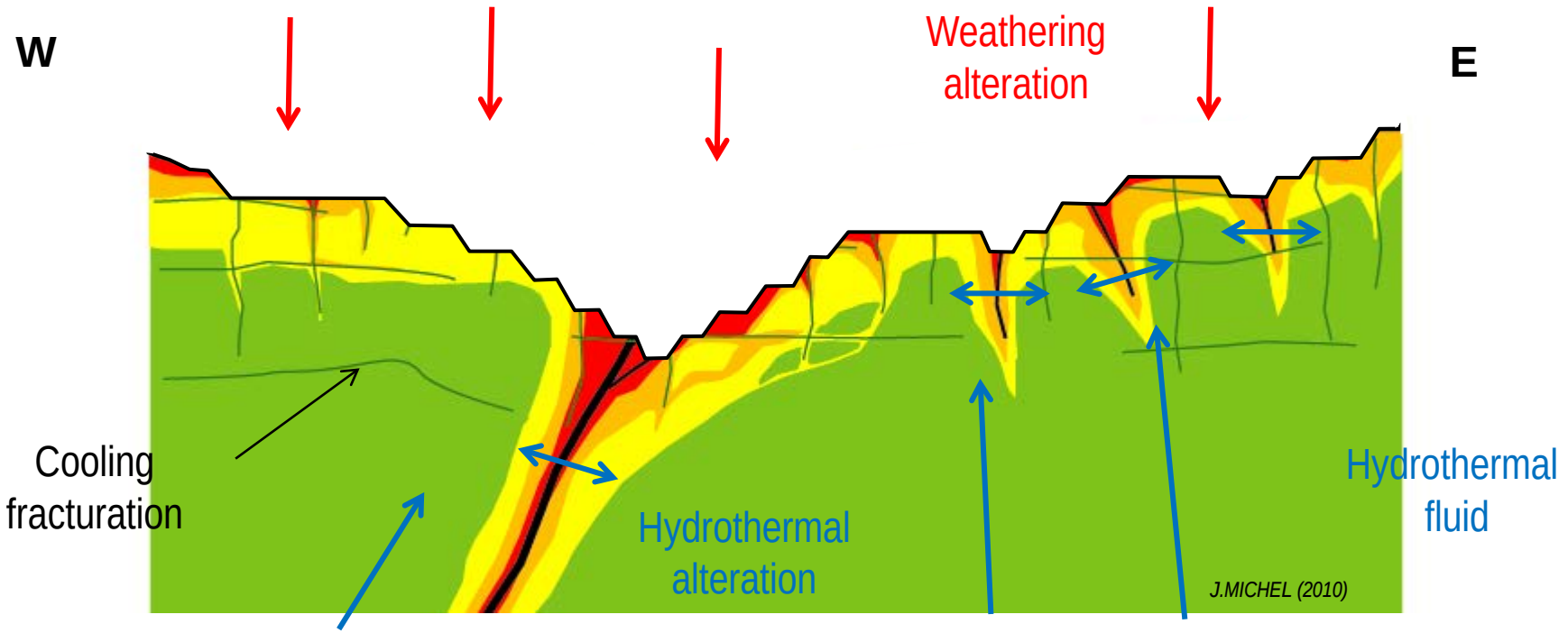
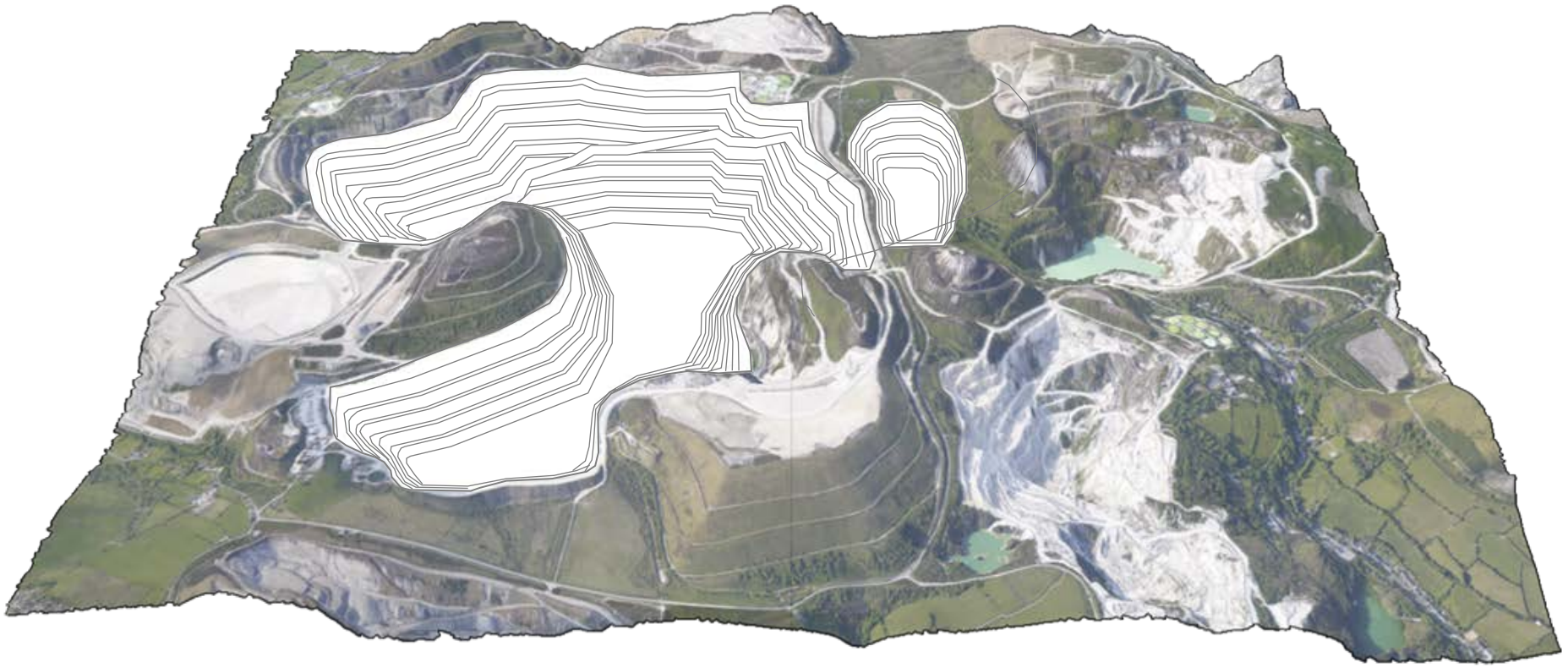
Deposit Mineralisation & Mining



Mine Designs

Geologists and Mining Engineers use the latest computer modelling software to analyse the exploration drilling results and along with geotechnical and economic data develop the Mine Designs for the future extraction of the China Clay deposits



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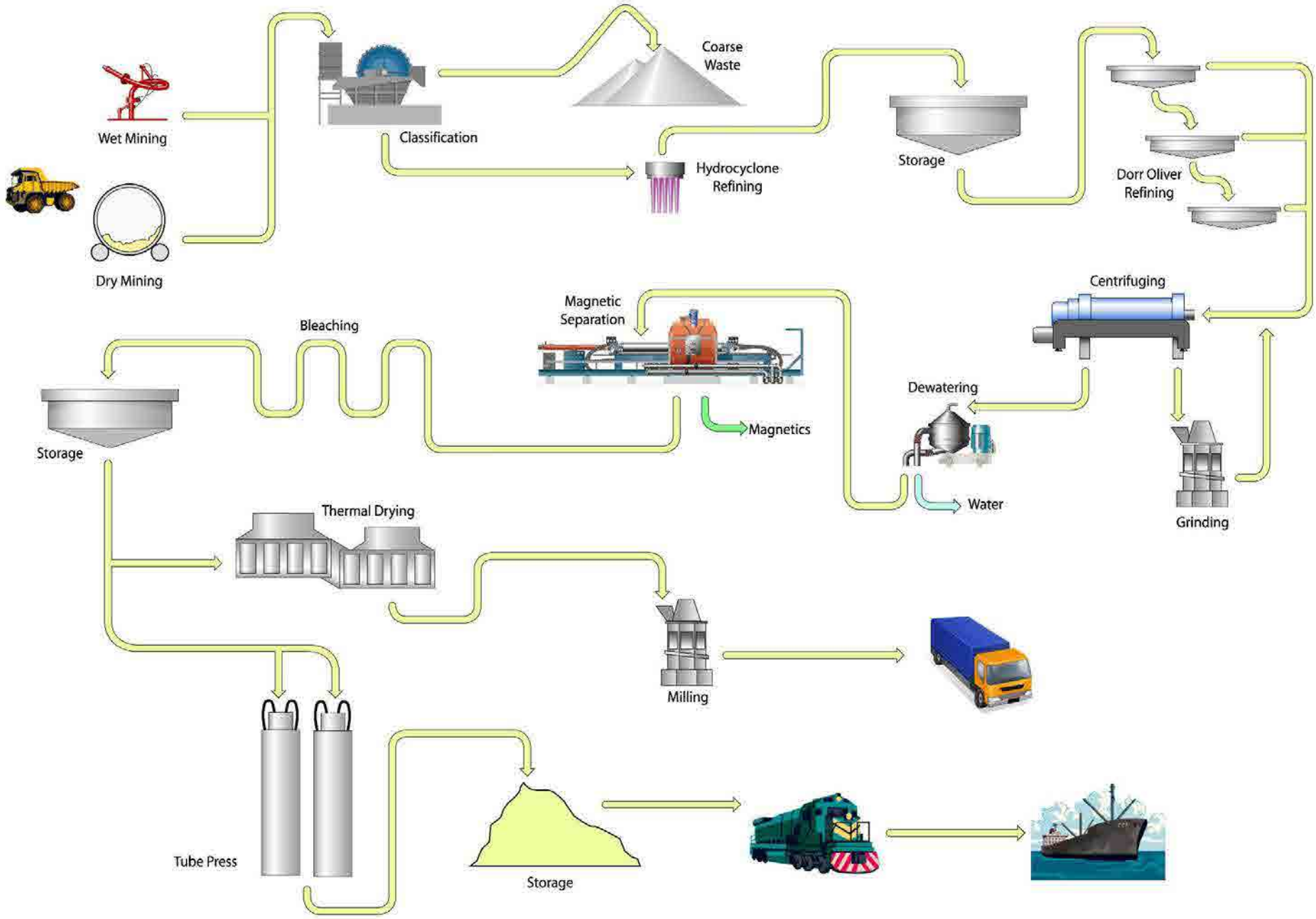
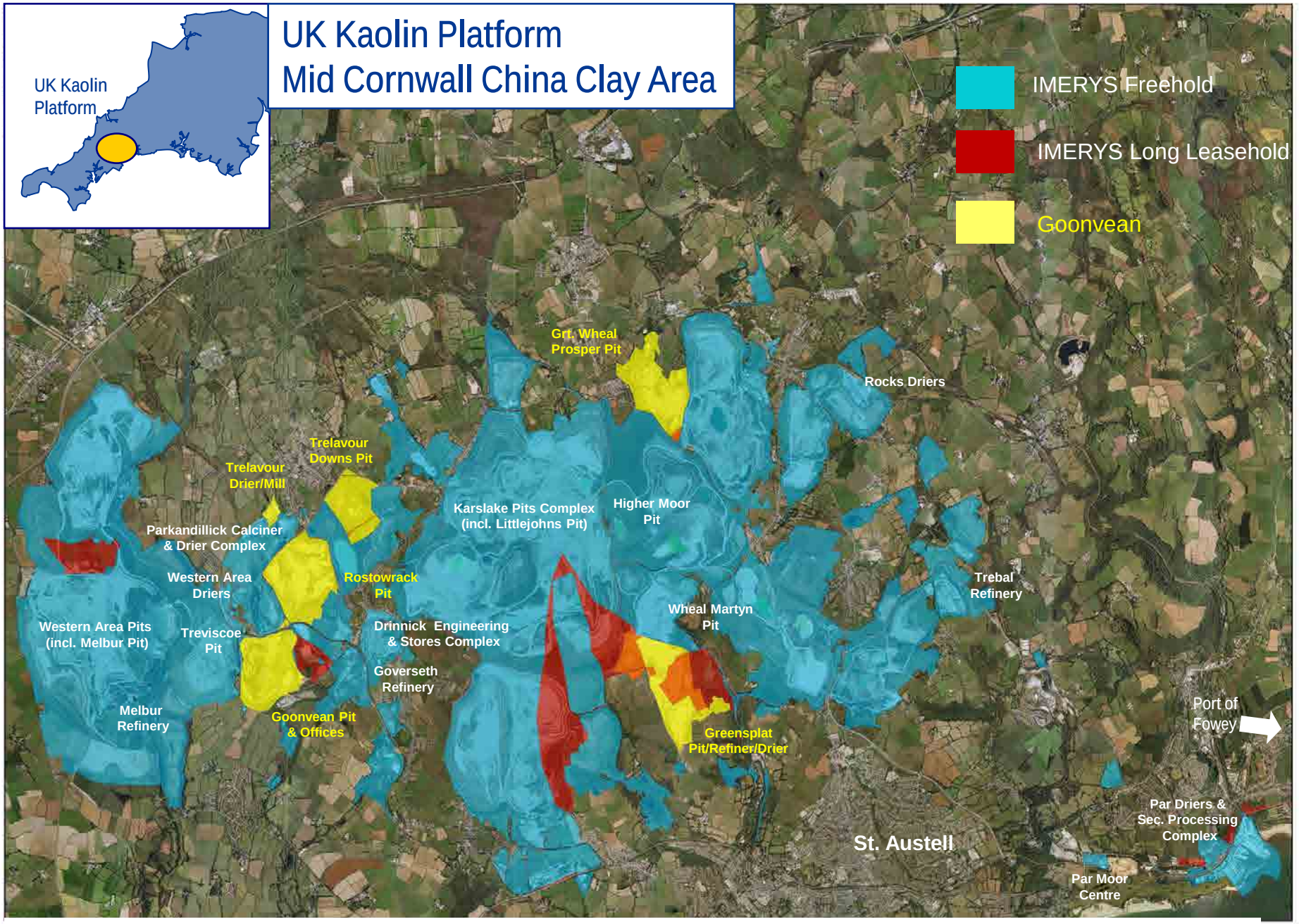


Imerys' China Clay Production Route (simplified)

UK Kaolin Platform
Mid Cornwall China Clay Area



Imerys employs approximately 1000 people in the Mid Cornwall Clay Area and produces approximately 900,000 tonnes of china clay a year
The Mid Cornwall China Clay Area covers approximately 25sq miles

Littlejohns Pit (part of the Karslake Pits Complex)

One of the largest China Clay Pits in the world

Surface area 262ha, Depth 133m

Production 120,000 tpa

Mining 1.2 million tpa

ISO 14001 & ISO 9001:2000

Hydraulic Mining

Melbur Dry Mining Plant

Trebal Refinery

Largest clay refining facility in UK Surface area 24ha

Production 400,000 tpa

Plant first commissioned 1974

ISO 14001 & ISO 9001:2000

Won the RoSPA prestigious Mining and Quarrying Sector three years running

Rocks Dryer

Largest Tube press facility in the world Surface area 14ha

New Tube Press facility commissioned 2008

Production 12,000 tpw

ISO 14001 & ISO 9001:2000

ROSPA Gold medal winner

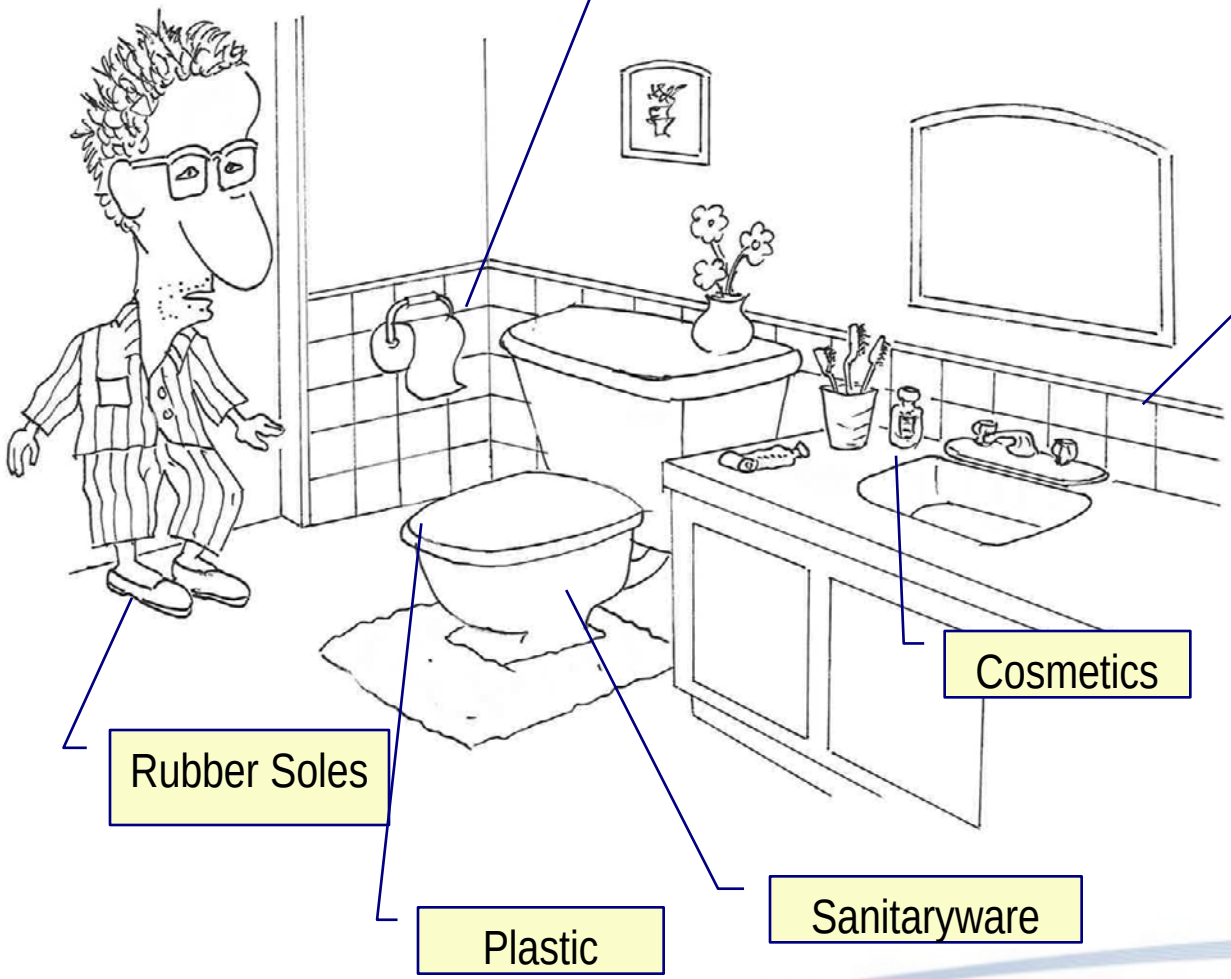
Port of Fowey

Clay transported to Fowey from Rocks Dryers by rail (1,140t per 38 wagon train load) and road
Deep water port capable of taking vessels of up to 15,000 tonnes
ISO 14001& ISO 9001:2000

Par Moor Centre

Administration centre for Imerys' UK business
Main UK and European Centre for R & D
Global support for customers & operations
ISO 14001 & 1SO 9001:2000

China Clay is used in a wide range of products including:-



Cardboard

Papers & Magazines

Health Products

Tableware

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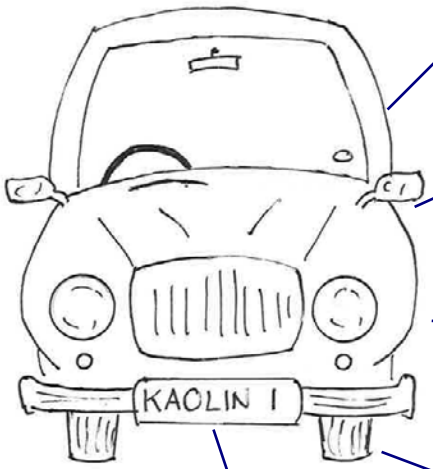

Paint

Plastic dashboard , bumper and trim

Electrical Insulation

Tyres

Castings

Plastic Lunch Box Containing Sandwiches wrapped in film

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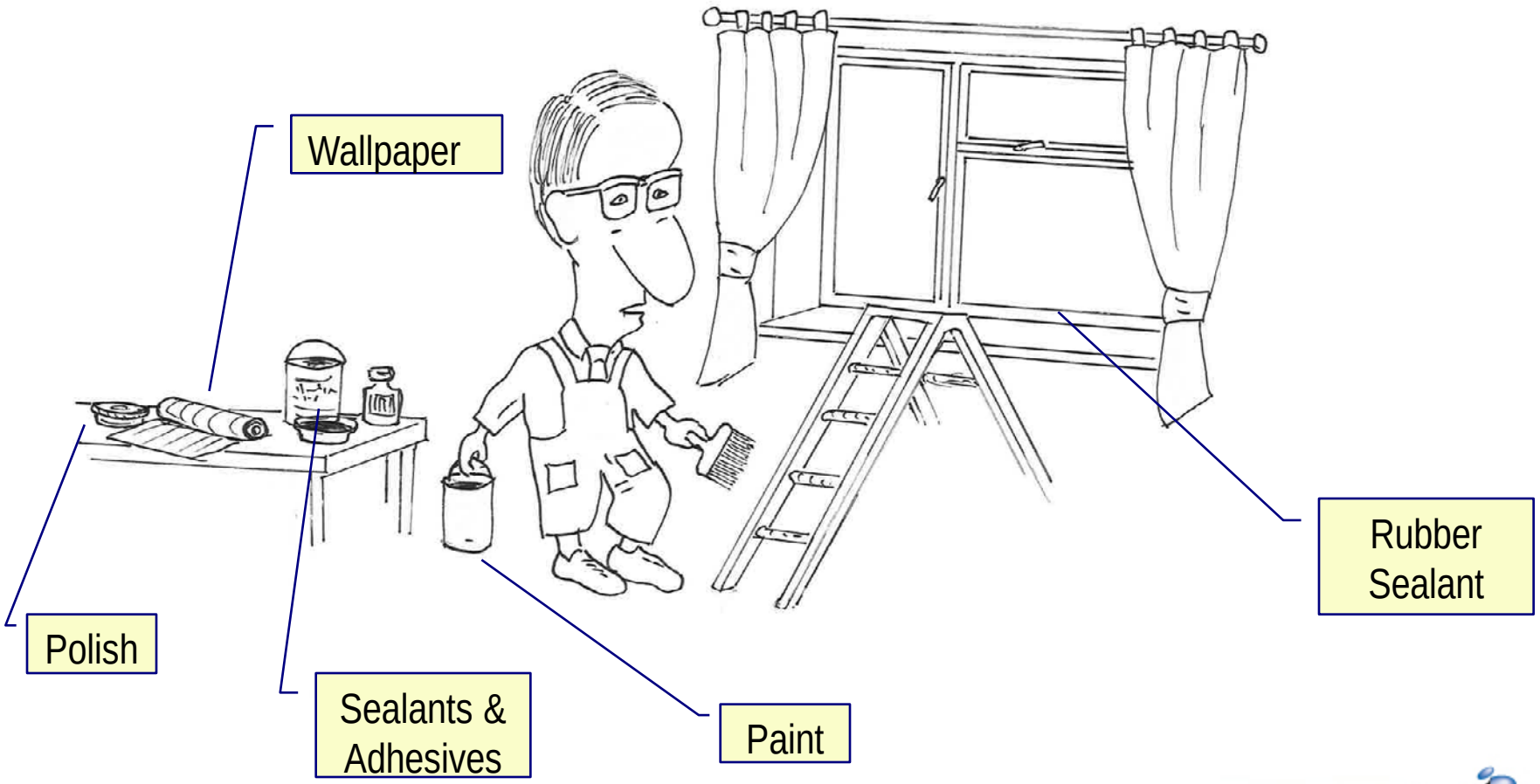
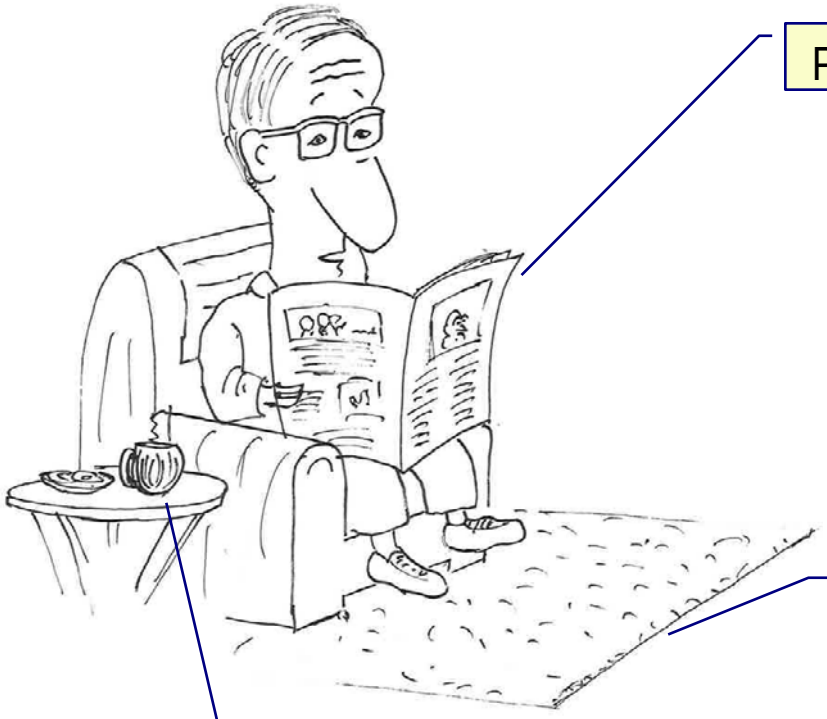

Wallpaper
Polish
Sealants & Adhesives
Paint
Rubber Sealant


Paper
Rubber Backing
Tableware

Restoration

The 1millionth tree being planted

An ongoing programme of restoration and post mining regeneration

Extensive habitat creation : heathland, grassland, woodland, pasture.

40km of permissive public access trails

Over 1,500 hectares of land has in the last 10 years been restored to heathland and woodland.

Major landform creation

Park China Works on Bodmin Moor : fully restored to heathland, grassland and woodland. Now a regional strategic water reserve.

Public (Permissive) Access

The trails are surfaced to be suitable for walking, cycling, horse-riding and if possible and appropriate for disabled access.

Trails extend to 40km in the Mid Cornwall China Clay area

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END