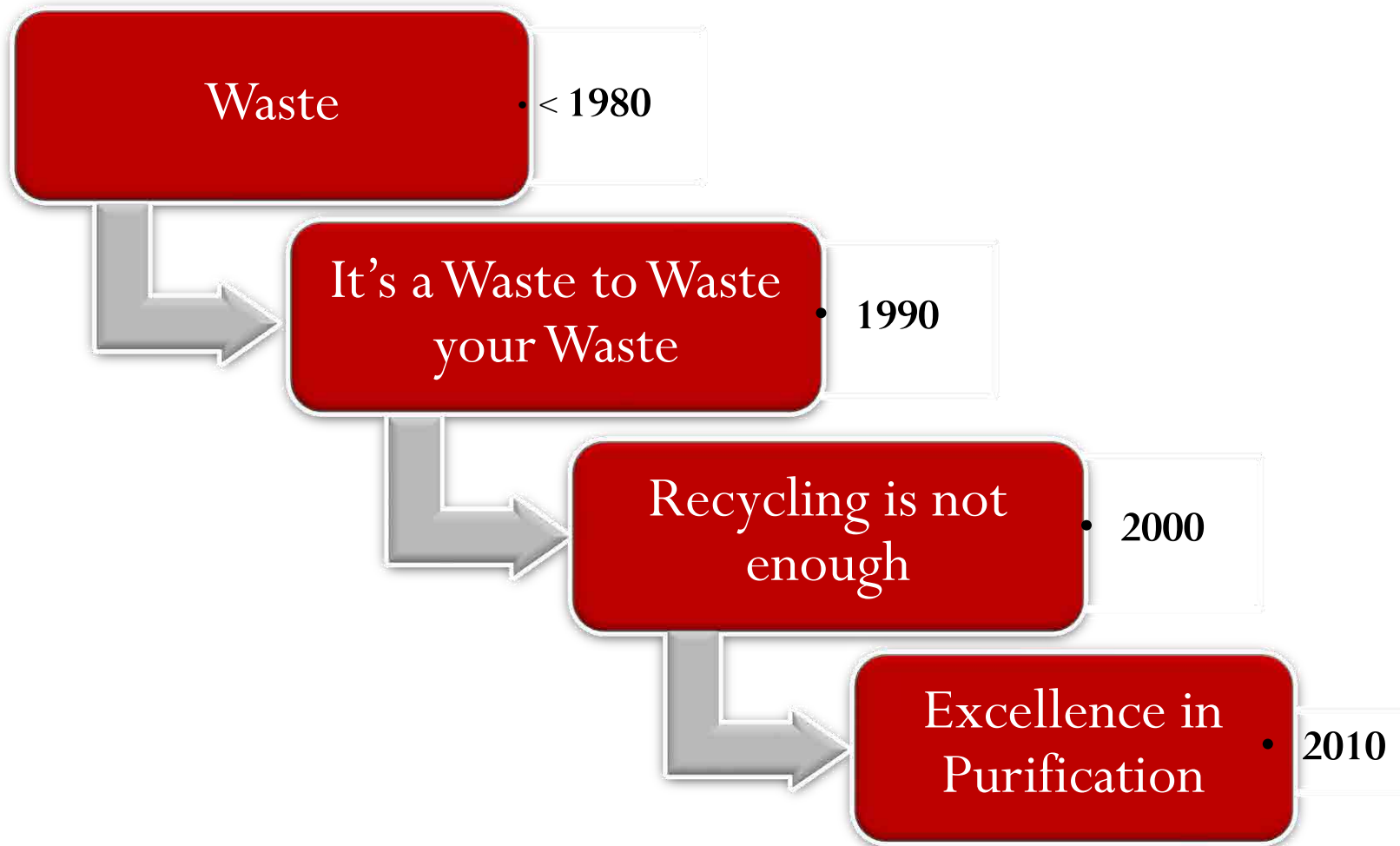


# Chemical Purification Companies Hold a More and More Important Role in the Value Chains of Chemical and Pharmaceutical Industry

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# Evolution from Solventwaste Handling to Specialized Purification Company



# General Trend

Scarcity of Raw Materials

Unstable market

Sustainability

Globalization

# Importance of purifying the solvents used in production Processes

Minimise the use of raw materials

Becoming less dependent of the external solvent Market

Economical profit

Environmental profit

# The Purifying of Waste Solvents is not a Core Business

Waste has to be treated as Virgin Product

Every different Stream needs Extensive Research

Different kind of Distillation Columns are necessary

The waste solvent may have a slight change in composition

Sometimes dedicated installations are necessary

# The Necessary Elements for Success

Supported by the direction

Specifications for the purified Product

R&D

Validation

Best Available Technique

Flexibel and Smart Logistics

# The role the External Companies are Playing today in the Purification of Waste Chemicals

Experience

R&D

Installations

Quality

Environment

Logistics

Flexibility

Cost

# The Future

Following the current trends and legislation the use of Solvents will only be allowed if they are recycled and if technical possible if they are purified for re-use.

For as long as Solvents will be used in the Industry the (external) purifying will become a very important item in the Value Chain in the Chemical and Pharmaceutical Industry