

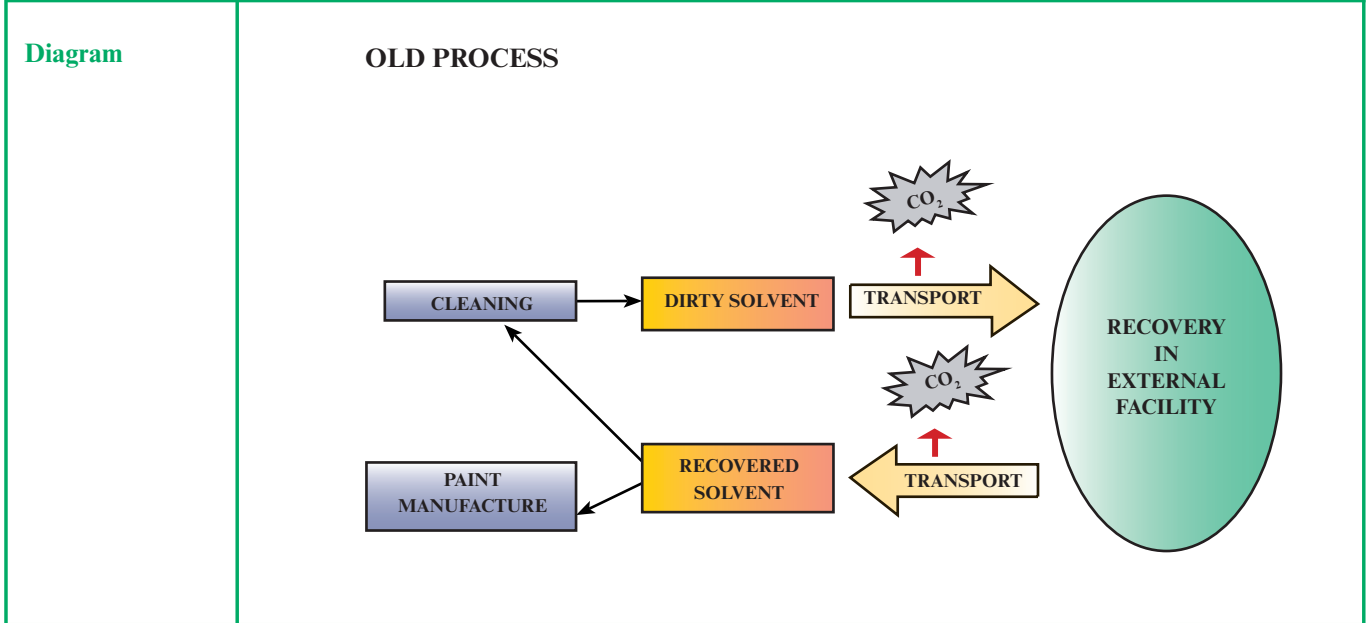
# Med *Clean* *Propre* *Limpio*

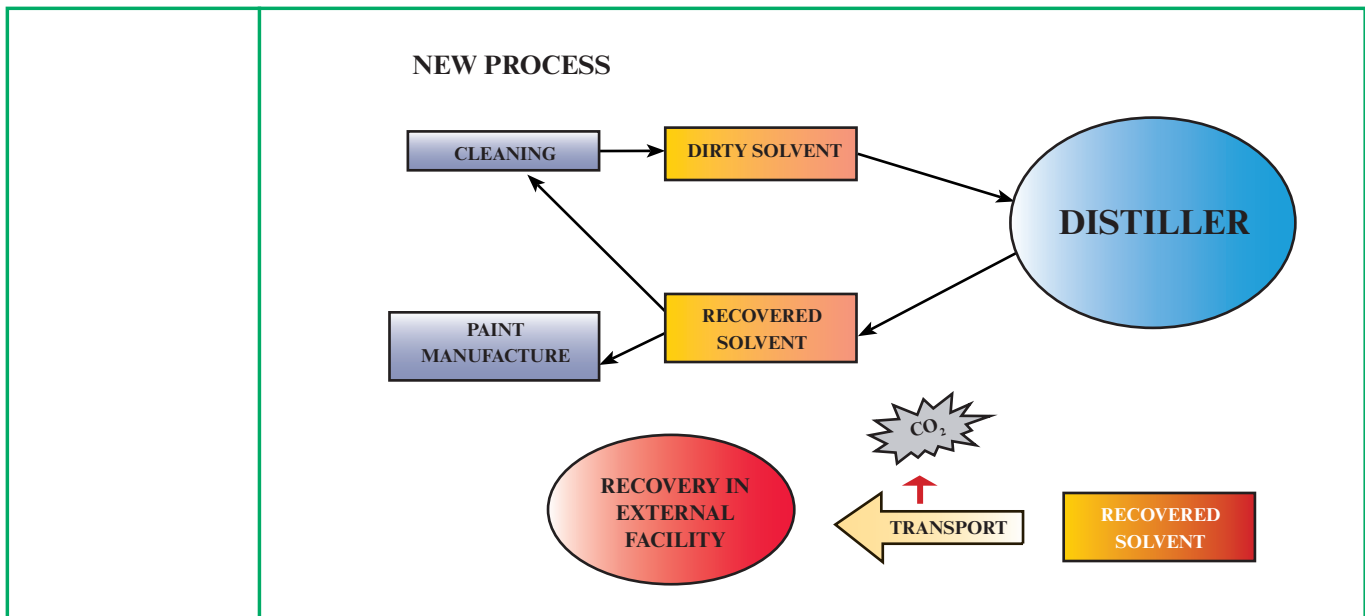


## No. 134 Pollution Prevention Case Studies

### Installation of a Distiller to Reduce Solvent Waste Treatment

<b>Company</b>	INDUSTRIAS TITAN, S.A.
<b>Industrial sector</b>	Manufacture of paints, varnishes and similar coatings, printing ink and mastics ISIC Rev. 4 no. 2022 (International Standard Industrial Classification of All Economic Activities)
<b>Environmental considerations</b>	Environmentally motivated measures to reduce the amount of waste (dirty solvent) treated in external plants and pollution caused by transport.  Economically motivated measures to reduce the cost of waste treatment.
<b>Background</b>	Prior to the implementation of the new equipment, dirty solvent from cleaning supplies used in relation to the manufacture of paints was loaded onto a tanker truck and transported to an external treatment plant.  After treatment at the plant, the recovered solvent was transported back to the factory with a tanker truck, where it was used for manufacturing and cleaning.
<b>Summary of actions</b>	Purchase and installation of an industrial distiller. Adaptation of a repository for the collection of dirty solvent. Installation of the connecting pipe from the collection tank to the distiller.





**Balances**

INVESTMENT	
Distiller	€150,000
External concentrated waste management	€20,000/year
Electricity consumption	€9,000/year

SAVINGS	
External solvent recovery	€192,000/year
<b>Total savings (including added costs)</b>	<b>€163,000/year</b>

RETURN ON INVESTMENT	
<b>Less than 1 year</b>	


**Conclusions**

The cost of solvent recovery has been lowered, and CO<sub>2</sub> emissions due to transport have been reduced through the elimination of transport to the external recovery plant and back again to the paint manufacturing facility.

The solvent recovered by distillation is of higher quality than that of the treatment plant. This means that more of the solvent contained in the final product can be recovered.

**NOTE: This case study seeks only to illustrate a pollution prevention example and should not be taken as a general recommendation.**




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