IBM Product End of life Management and Recycling loop : Experience and challenges

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Algeria,France, Greece, Italy, Malta, Morocco,Tunisia,

E-Waste Management Forum: "Green Business Opportunities" (E-waste 2010), 23-24 November 2010, Marrakesh, Morocco

Overview

I. What is our Product End of Life Management?

II. What is IBM's recycling loop?

III. What equation will maximize recovery?

IV. What are today's challenges?

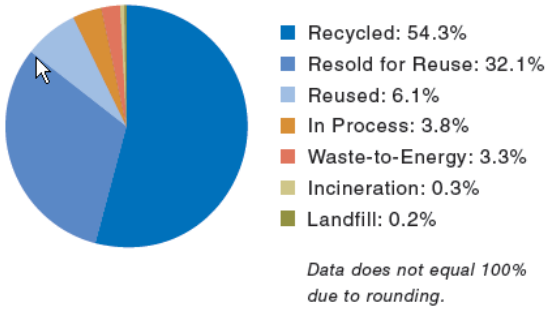
V. What can we do?

VI. Conclusion

I. What is IBM Product End of Life Management ?

I. What is IBM PELM ?

- 41,400 tons of end-of-life product and product waste are recovered by PELM in 2009 worldwide
- 770,553 tons of product and product waste are recovered since 1995
- 95.8% : Resale Reused, Recycled



Overview

I. What is our Product End of Life Management?

II. What is IBM’s recycling loop?

II. What is IBM's recycling loop ?

1. SALE of Used Machines

2.SALE of Sub-assembly

GARS
Montpellier

7.ELIMINATION

6.RECOVERY

5.VALORIZATION

3. SALE of Parts

4.SALE of components

PLAN

I. What is our Product End of Life Management?

II. What is IBM’s recycling loop?

III. What equation will maximize recovery?

III. WHAT EQUATION WILL MAXIMIZE RECOVERY ?

1. PRECIOUS METALS CONTENTS

III. WHAT EQUATION WILL MAXIMIZE RECOVERY ?

1. PRECIOUS METALS CONTENTS

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2.PRECIOUS METAL MARKET

III. WHAT EQUATION WILL MAXIMIZE RECOVERY ?

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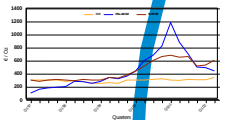

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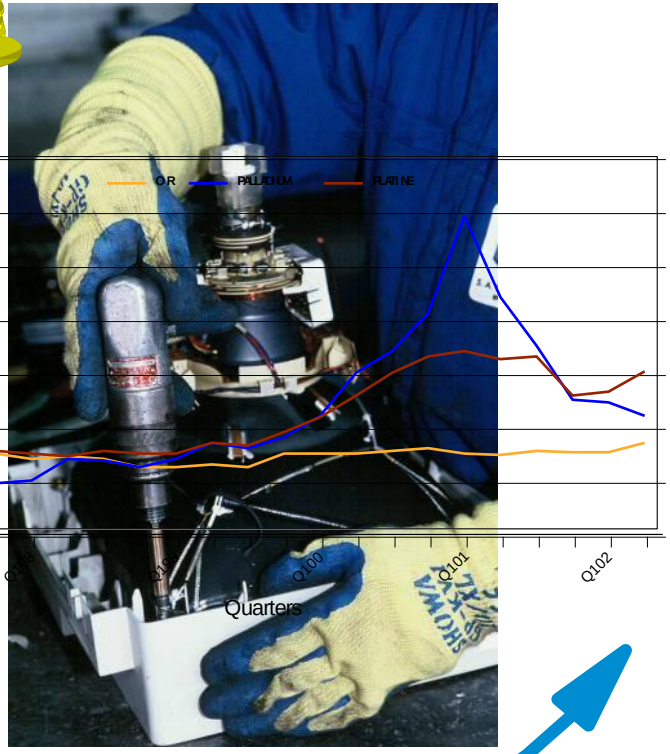
3. DISMANTLING



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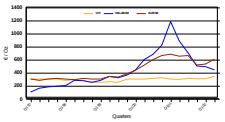

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3. DISMANTLING

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4. LOGISTICS

III. WHAT EQUATION WILL MAXIMIZE RECOVERY ?

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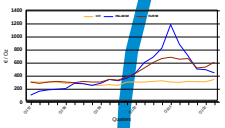

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3. DISMANTLING

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4. LOGISTICS

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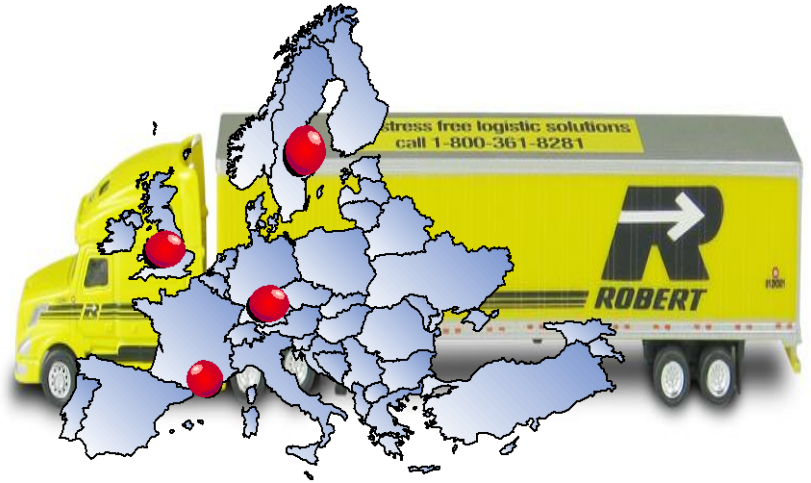
5. RECYCLERS LOCATIONS



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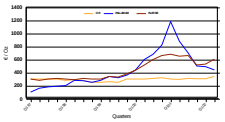

3. DISMANTLING

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4. LOGISTICS

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5. RECYCLERS LOCATIONS

6. BEST PRACTICES

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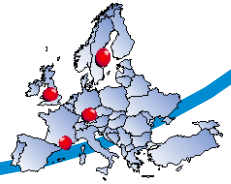

III. WHAT EQUATION WILL MAXIMIZE RECOVERY

1.PRECIOUS METAL contents

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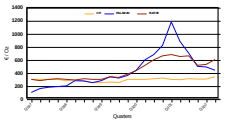
2. PRECIOUS METAL MARKET



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3. DISMANTLING

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4. LOGISTICS

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5. RECYCLERS LOCATIONS

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ADMINISTRATIVE PAPERWORK

III. WHAT EQUATION WILL MAXIMIZE RECOVERY

1.PRECIOUS METAL contents

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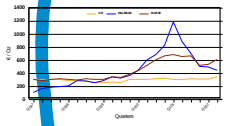

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3. DISMANTLING

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4. LOGISTICS

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5. RECYCLERS LOCATIONS

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6. BEST PRACTICES

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7. ADMINISTRATIVE PAPERWORK

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8. TONNAGE

III. WHAT EQUATION WILL MAXIMIZE RECOVERY

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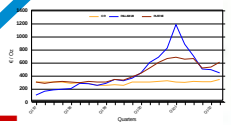

2.PRECIOUS METAL CONTENTS

3.DISMANTLING

4.LOGISTICS

5.RECYCLERS LOCATIONS

6. BEST PRACTICES

7.ADMINISTRATIVE PAPERWORK

8.TONNAGE

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- Continue to limit our impact on the environment
- Continuous increase of logistics cost
- Recycling infrastructure not equal in every country
- Limited tonnage reduces recovery
- Reduced precious metals in Waste of IT EEE

IV. What are today's challenges ?

- Best practices recyclers not available locally
- Increase of administrative / legal paperwork
- Few recyclers can recover rares metals
- Stay competitive and alive
- Natural resources are limited

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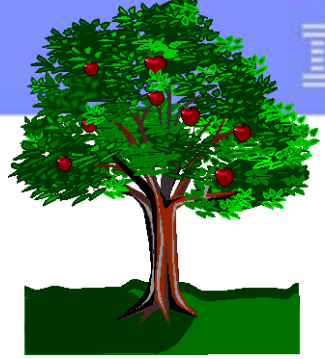


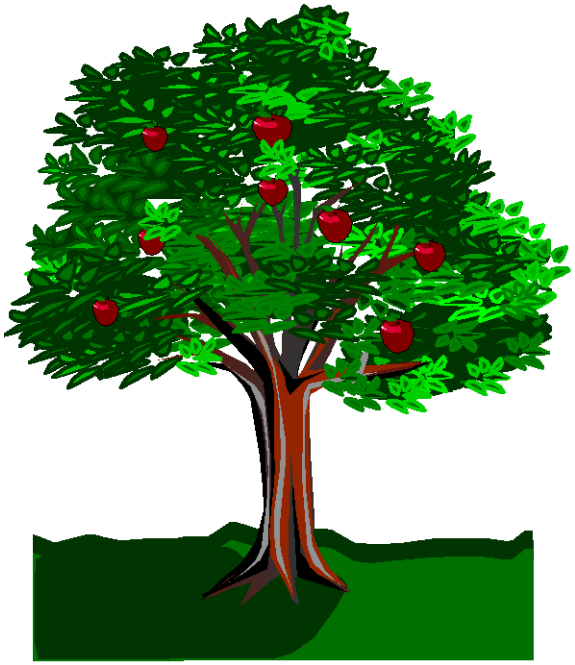
V. What can we do

- Finance leading edge recycling facility locally
- Conference to share competence
- Award Best practices locally
- Simplify paperwork for best recyclers
- Encourage Export for leading edge rare metal recycling

Conclusion

If we succeed :

« What a wonderful world it would be »



Louis Amstrong

Thanks for your attention

Do you have any questions ?

for further questions you can contact me:

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