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THE RECP SUCCESS STORY IN GEORGIA

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RECP Companies

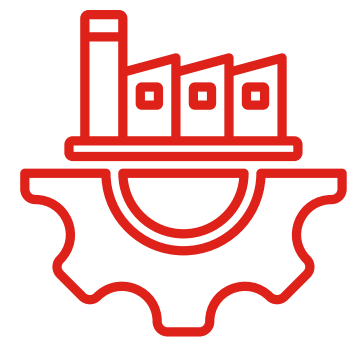
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THE RECP SUCCESS STORY IN GEORGIA

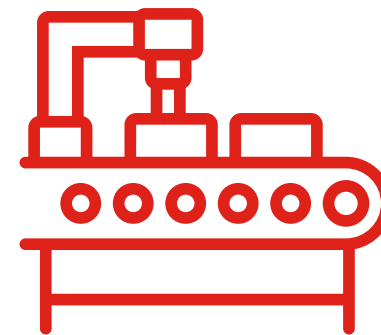
Resource Efficient and Cleaner Production (RECP) is the integrated and continuous application of preventive environmental strategies to **processes, products, and services** to increase efficiency and reduce risks to humans and the environment. RECP is all about producing with fewer resources while minimizing environmental impacts and increasing overall productivity.

EaP GREEN



10 companies, part of the previous EU-funded EaP GREEN programme, were assessed

RECP Clubs



17 companies, part of two RECP Clubs, were assessed under EU4Environment

RECP Demonstration Companies



10 companies were assessed under EU4Environment

RECP Experts



11 professionals completed the RECP training under EU4Environment

THE RECP DEMONSTRATION COMPANIES

1

Biodiesel Georgia LLC
biodiesel production

5

Lagodekhavtogza LTD
asphalt and concrete
production

9

Tsivis Kveli LTD
cheese production

2

Chateau Mukuzani LTD
wine production

6

Nektari-2008 LTD
soft drinks production

10

Vaziani LTD
wine production

3

Geo-Organic LTD
dried fruits production

7

Teleti Poultry Factory LTD
chicken and eggs
production

4

GIAM Group LLC
tangerine juice
production

8

Titani LTD
plastic bags production

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Biodiesel Georgia - biodiesel production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

83,220 €

INVESTMENT (EURO)

2,600 €

PAYBACK PERIOD (YEARS)

0.03

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 2 RECP options (focused on energy efficiency)

2

Short payback period for the required investment (less than a year)

3

Reduced thermal energy consumption per tonne of product

4

Energy savings worth 12.5 kg of CO₂ - eq per cycle

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Chateau Mukuzani LTD - wine production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

350,000 €

INVESTMENT (EURO)

114,000 €

PAYBACK PERIOD (YEARS)

0.3

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 1 RECP option (focused on solid waste and energy efficiency)

2

Short payback period (less than half of a year)

3

Neutralized annual costs for solid waste removal

4

Reduction of annual energy costs

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Geo-Organic LTD - dried fruits production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

22,910 €

INVESTMENT (EURO)

10,200 €

PAYBACK PERIOD (YEARS)

0.5

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 2 RECP options (focused on energy efficiency)

2

Short payback period (less than half a year, on average)

3

Reduction of energy consumption per tonne of product

4

Reduction of 133 tonnes of CO₂-eq per year

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GIAM Group LLC - tangerine juice production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

13,204 €

INVESTMENT (EURO)

2,874 €

PAYBACK PERIOD (YEARS)

0.3

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 2 RECP options (focused on energy efficiency)

2

Short payback period (less than one year, on average)

3

Reduction of energy consumption per tonne of product

4

Annual energy savings and the reduction of 85 tonnes of CO₂-eq per year

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Lagodekhavtogza LTD - asphalt and concrete production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

55,495 €

INVESTMENT (EURO)

28,438 €

PAYBACK PERIOD (YEARS)

0.7

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 3 RECP options (focused on energy efficiency and reducing energy costs)

2

Short payback period (less than a year on average)

3

Reduction of energy consumption per tonne of product

4

Annual energy savings and the reduction of 511 tonnes of CO₂- eq per year

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Nektari-2008 LTD - soft drinks production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

79,152 €

INVESTMENT (EURO)

324,324 €

PAYBACK PERIOD (YEARS)

4.1

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 1 RECP option (focused on energy cost and reduction of CO₂ emissions)

2

Short payback period for the required investment

3

Reduction of 73 tonnes of CO₂-eq per year

4

Reduction of annual energy costs

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Teleti Poultry Factory LTD - chicken and eggs production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

17,640 €

INVESTMENT (EURO)

44,780 €

PAYBACK PERIOD (YEARS)

1.5

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 3 RECP options (focused on energy efficiency and the use of solid waste)

2

Short payback period for the required investment

3

Reduction of energy consumption per tonne of product and the reuse of waste as fuel

4

Annual energy savings and the reduction of 97 tonnes of CO₂ - eq per year

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Titani LTD - plastic bags production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

3,520 €

INVESTMENT (EURO)

12,580 €

PAYBACK PERIOD (YEARS)

1.8

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 2 RECP options (focused on energy efficiency)

2

Reduction of 125 tonnes of CO₂-eq per year

3

Reduction of energy consumption per tonne of product

4

Decrease of annual energy costs

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Tsivis Kveli LTD - cheese production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

2,590 €

INVESTMENT (EURO)

1,210 €

PAYBACK PERIOD (YEARS)

0.8

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 2 RECP options (focused on energy efficiency)

2

Short payback period for the required investment (around 1 year)

3

Reduction of 8.3 tonnes of total CO₂-eq per year

4

Reduction of annual energy costs

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Vaziani LTD - wine production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

3,223 €

INVESTMENT (EURO)

60,000 €

PAYBACK PERIOD (YEARS)

18.6

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 1 RECP option (focused on energy efficiency)

2

Reduction of 3 tonnes of total CO₂-eq per year

3

Reduction of energy consumption per tonne of product

4

Reduction of annual energy costs

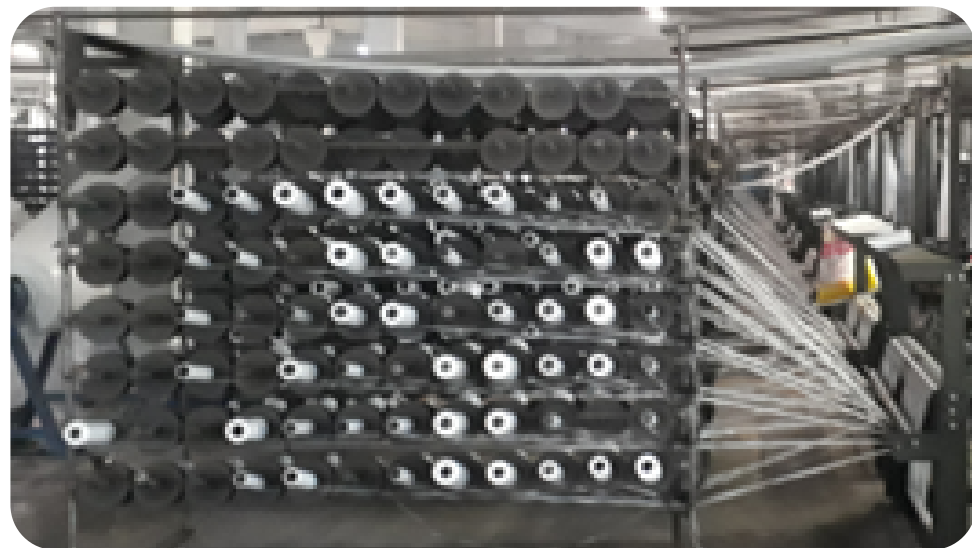
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THE RECP CLUBS

- | | | | | | |
|----------|---|-----------|---|-----------|--|
| 1 | Bi Plast LLC
plastic items production | 6 | Kalo JV
eggs production | 12 | Mshenebeli-2019 LLC
asphalt production |
| 2 | Caucaspack LLC
PET and PP films
production | 7 | Kaspi Electro Aparat LLC
steel production | 13 | Natural Product-Cezar LLC
dairy production |
| 3 | Caucasus Organic Fruits
LLC
dried fruits production | 8 | Kau Tivi LLC
chemicals production | 14 | Poliedro LLC
PP stretch film
production |
| 4 | Geka LLC
eggs production | 9 | Lider Plast LLC
plastic items production | 15 | R.Janashvili IE
dairy production |
| 5 | Geo Provision LLC
pet food production | 10 | Mariami LLC
dairy production | 16 | Sagarejo-2009 LLC
eggs production |
| | | 11 | Megaplast LLC
plastic items production | 17 | Tsalka Milk Products LLC
dairy production |

Bi Plast LLC - plastic items production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

20,426 €

INVESTMENT (EURO)

97,083 €

PAYBACK PERIOD (YEARS)

3.3

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 3 RECP options

2

Reduction of 27 tonnes of total CO₂-eq per year

3

Reduction of energy consumption per tonne

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Caucaspack LLC - PET and PP films production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

538,826 €

INVESTMENT (EURO)

331,334 €

PAYBACK PERIOD (YEARS)

2.8

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 11 RECP options

2

Reduction of 537 tonnes of CO₂-eq per year

3

Reduction of 1,127 tonnes of waste

4

Reduction of annual energy costs

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Caucasus Organic Fruits LLC - dried fruits production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

29,607 €

INVESTMENT (EURO)

134,063 €

PAYBACK PERIOD (YEARS)

4.5

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 5 RECP options

2

Reduction of 146.5 tonnes of CO₂-eq per year

3

Reduction of energy consumption per tonne of product

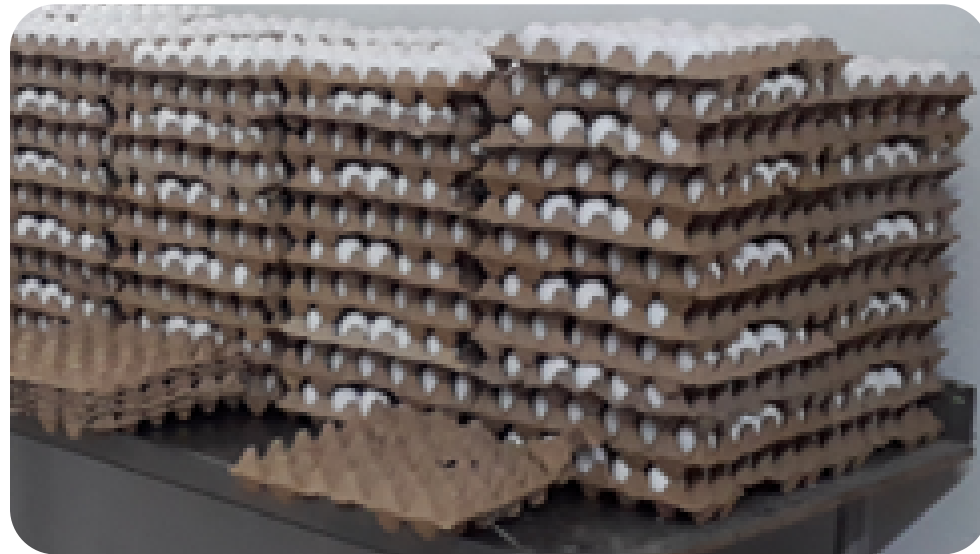
4

Reduction of annual energy costs

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Geka LLC - eggs production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

41,625 €

INVESTMENT (EURO)

155,000 €

PAYBACK PERIOD (YEARS)

2.8

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 3 RECP options

2

Reduction of 3,750 tonnes of CO₂-eq per year

3

Reduction of 412.5 tonnes of waste

4

Reduction of annual energy costs

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Geo Provision LLC - pet food production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

49,687 €

INVESTMENT (EURO)

320,000 €

PAYBACK PERIOD (YEARS)

6.5

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 2 RECP options

2

Reduction of annual energy costs

3

Reduction of 72 tonnes of CO₂-eq per year

4

Reduction of 4.7 tonnes of waste

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Kalo JV - eggs production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

21,526 €

INVESTMENT (EURO)

48,500 €

PAYBACK PERIOD (YEARS)

2.8

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 4 RECP options

2

Reduction of 1,624.8 tonnes of CO₂-eq per year

3

Reduction of 333 tonnes of waste

4

Reduction of annual energy costs

SCAN ME



Kaspi Electro Aparat LLC - steel production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

48,562 €

INVESTMENT (EURO)

163,000 €

PAYBACK PERIOD (YEARS)

3.2

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 4 RECP options

2

Reduction of 60.5 tonnes of CO₂-eq per year

3

Reduction of 22.9 tonnes of waste

4

Reduction of annual energy costs

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Kau Tivi LLC - chemicals production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

32,641 €

INVESTMENT (EURO)

51,556 €

PAYBACK PERIOD (YEARS)

2.3

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 12 RECP options

2

Reduction of 30.4 tonnes of total CO₂-eq per year

3

Reduction of 7.28 tonnes of waste

4

Reduction of annual energy costs

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Lider Plast LLC - plastic items production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

344,257 €

INVESTMENT (EURO)

180,097 €

PAYBACK PERIOD (YEARS)

2.4

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 8 RECP options

2

Reduction of 203 tonnes of CO₂-eq emissions per year

3

Reduction of 9.6 tonnes of waste

4

Reduction of annual energy costs

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Mariami LLC - dairy production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

14,394 €

INVESTMENT (EURO)

46,500 €

PAYBACK PERIOD (YEARS)

3.2

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 4 RECP options

2

Reduction of 18.6 tonnes of CO₂-eq per year

3

Reduction of energy consumption per tonne of product

4

Reduction of annual energy costs

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Megaplast LLC - plastic items production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

107,049 €

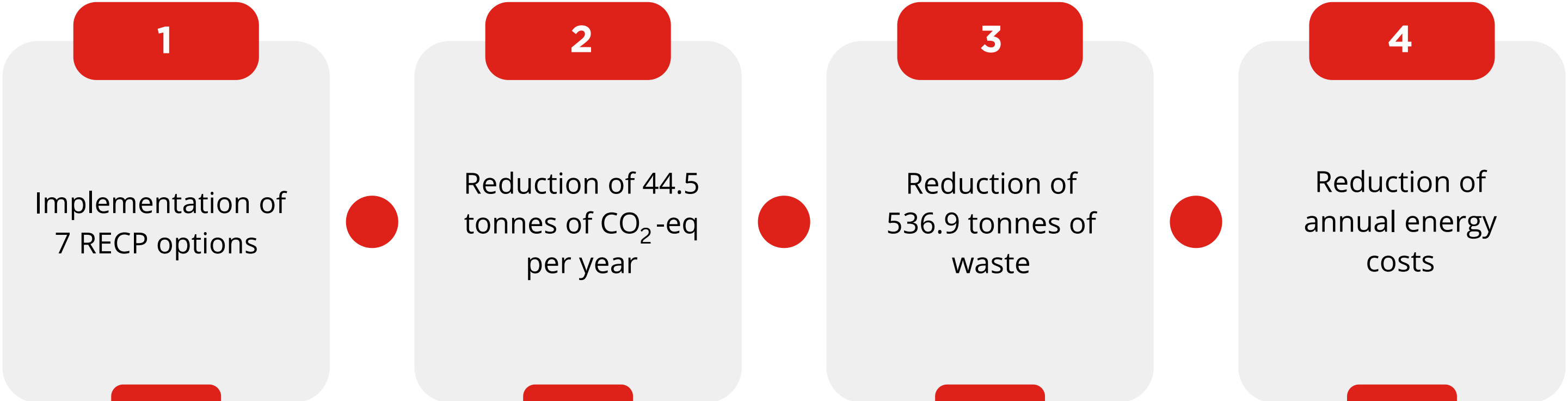
INVESTMENT (EURO)

118,011 €

PAYBACK PERIOD (YEARS)

3.4

BENEFITS FROM IMPLEMENTING RECP OPTIONS



Mshenebeli-2019 LLC - asphalt production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

116,448 €

INVESTMENT (EURO)

63,000 €

PAYBACK PERIOD (YEARS)

1

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 4 RECP options

2

Reduction of 893.7 tonnes of total CO₂-eq per year

3

Reduction of energy consumption per tonne of product

4

Reduction of annual energy costs

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Natural Product-Cezar LLC - dairy production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

18,787 €

INVESTMENT (EURO)

69,000 €

PAYBACK PERIOD (YEARS)

3.2

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 4 RECP options

2

Reduction of 27 tonnes of CO₂-eq per year

3

Reduction of energy consumption per tonne of product

4

Reduction of annual energy costs

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Poliedro LLC - PP stretch film production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

17,343 €

INVESTMENT (EURO)

50,419 €

PAYBACK PERIOD (YEARS)

4.3

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 7 RECP options

2

Reduction of 228 tonnes of CO₂-eq per year

3

Reduction of 3 tonnes of waste

4

Reduction of annual energy costs

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R.Janashvili IE - dairy production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

10,419 €

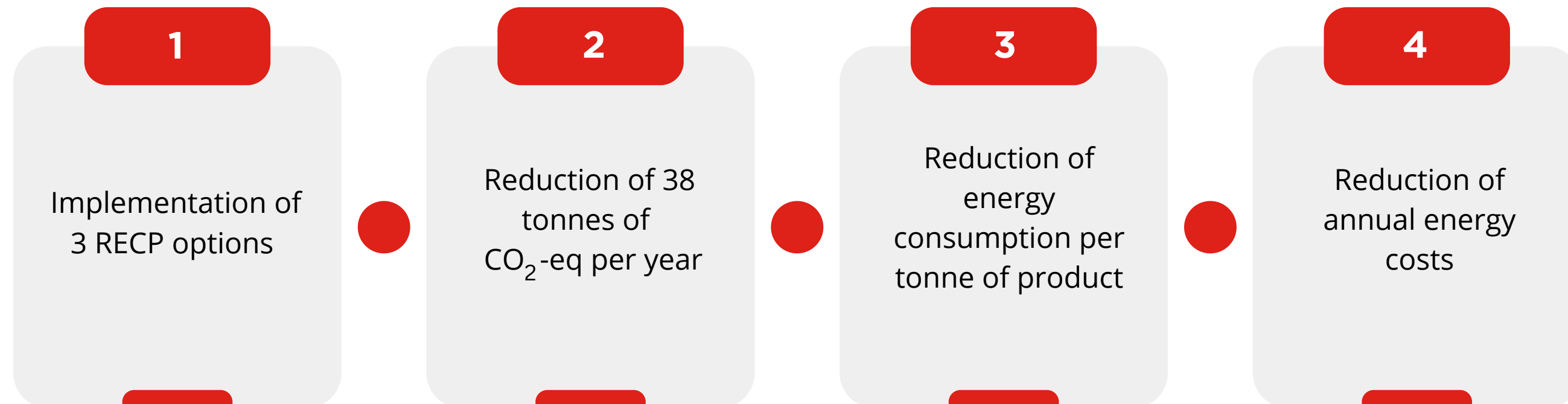
INVESTMENT (EURO)

38,000 €

PAYBACK PERIOD (YEARS)

3.3

BENEFITS FROM IMPLEMENTING RECP OPTIONS



Sagarejo-2009 LLC - eggs production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

70,034 €

INVESTMENT (EURO)

205,000€

PAYBACK PERIOD (YEARS)

2

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 4 RECP options

2

Reduction of 7,904 tonnes of CO₂-eq emissions per year

3

Reduction of 800 tonnes of waste

4

Reduction of annual energy costs

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Tsalka Milk Products LLC - dairy production



POTENTIAL ANNUAL SAVINGS (EURO/YEAR)

6,411 €

INVESTMENT (EURO)

25,000€

PAYBACK PERIOD (YEARS)

4.1

BENEFITS FROM IMPLEMENTING RECP OPTIONS

1

Implementation of 3 RECP options

2

Reduction of 7.7 tonnes of CO₂-eq per year

3

Reduction of annual energy costs

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