



SMART Green Funding : Energy Efficiency Savings
and GHG Reductions for Ontario Manufacturers

March 14th, 2017

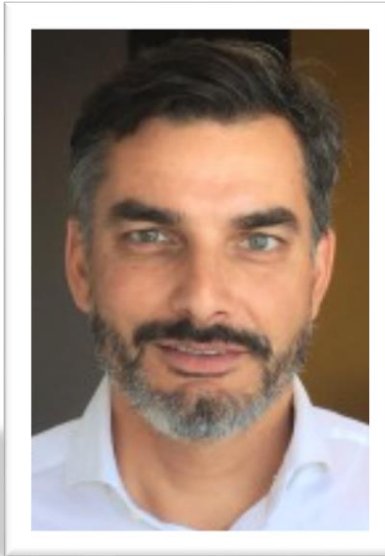


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Your hosts



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Executive VP
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Our objectives

At the end of the webinar you should:

Know what
SMART Green is all
about

Be able to give
examples
of projects eligible
to SMART Green

Be able to explain
the benefits of the
SMART Green
Program to your
peers



Which company profile can apply to SMART Green ?

Manufacturing sector (NAICS code)

More than 10 full time employees

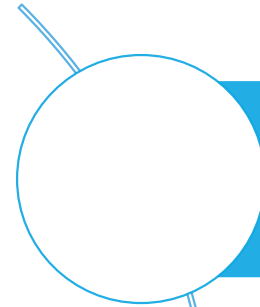
Emits less than 25k tCO₂e per year

Minimum 3 years of operations in Ontario

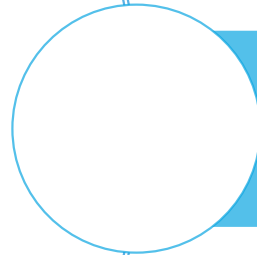
Aimed at manufacturers indirectly affected by Cap-and-Trade



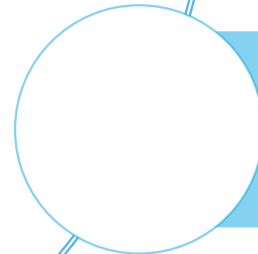
Eligible projects for SMART Green Program



Applies to new projects only



Projects that reduce GHG emissions



Projects related to energy or energy efficiency

Energy savings and GHG emissions reductions to improve your competitiveness



Qualified Technical Service Provider (QTSP)

Approved by CME as an independent 3rd party

Can support you in defining your project

Must quantify GHG baseline and reductions

50% of the QTSP cost is covered under the Program



3 easy steps

Project identification

- Walk-through with the QTSP (optional)

Submit proposal to SMART Green

- Technical assessment by QTSP (mandatory)
- Evaluate cost and savings (\$, GHGs)
- Additional information (implementation schedule, benefits...)

Demonstrate savings

- Monitoring and verifying GHG reductions
- Submit report

Easy steps for getting the funding



Overall funding

Walk-through

- 50% up to a maximum of \$1,250

Technical assessment

- 50% up to a maximum of \$10,000

Projects

- 50% of eligible costs up to \$200,000 for single facility
- 50% of eligible costs up to \$500,000 for multi-facility
- M&V can be budgeted in project

Globally up to 200,000\$ per project



Food processing project

Company sector

- Food manufacturing

Company size

- ~ 50 employees
- 12,000 sq. ft.

Processes

- Food preparing and cooking

Scope of the improvement

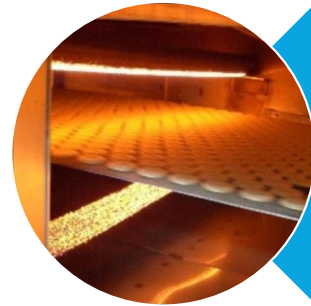
- High efficiency burners



Food processing project



Before: blue flame burner



After: radiative gas burner

Benefits: GHG reduction

Cost savings (~15% reduction in natural gas consumption)

Better product quality



Large forming and painting manufacturing project

Company sector

- 336211 – Motor Vehicle Body Manufacturing
- Metal part: forming and painting

Company size

- ~ 200 employees
- 110,000 sq. ft.

Processes

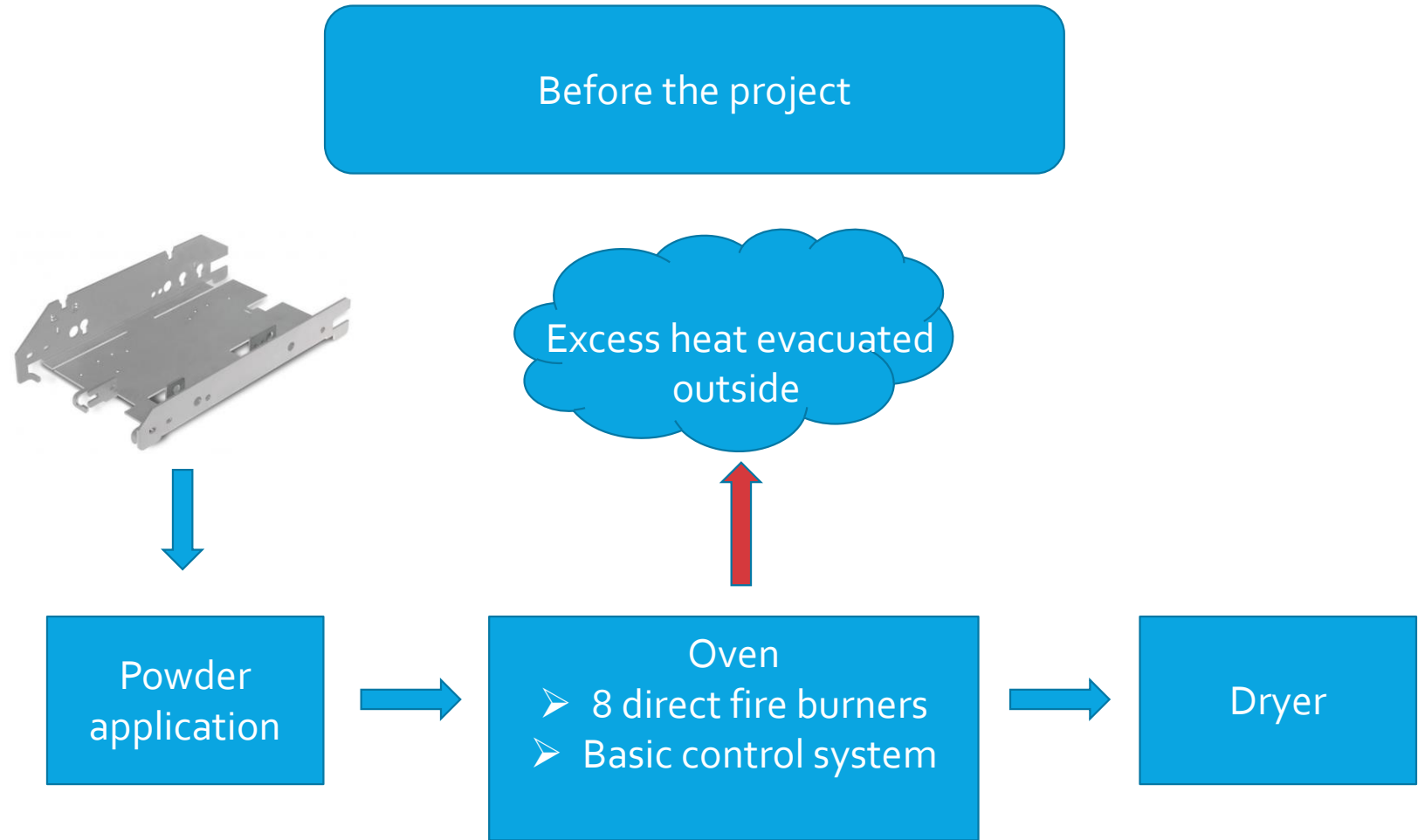
- Metal cutting, forming and coating

Scope of the improvement

- High efficiency burners
- Advanced controls
- Heat recovery

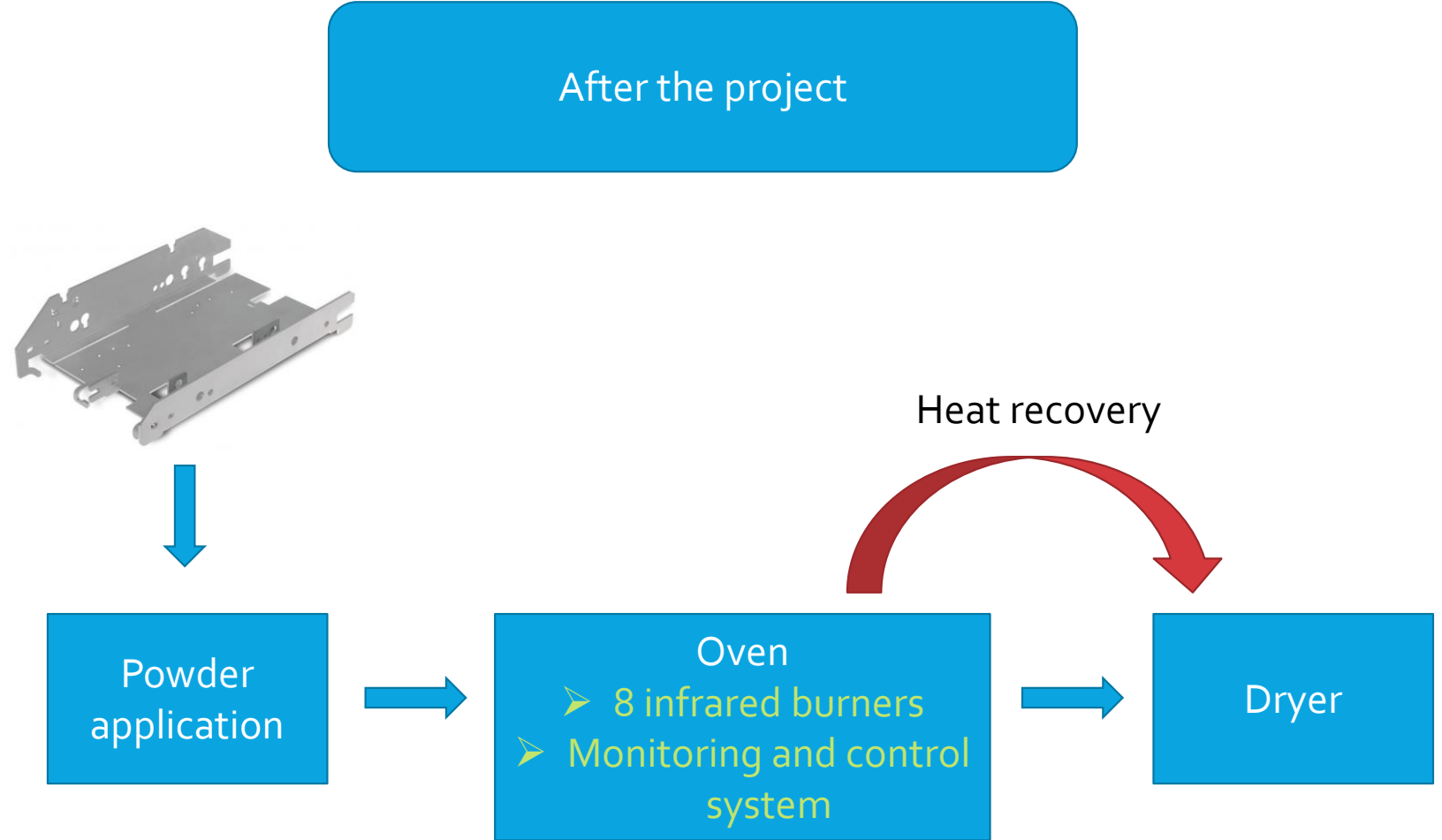


Large forming and painting manufacturing project

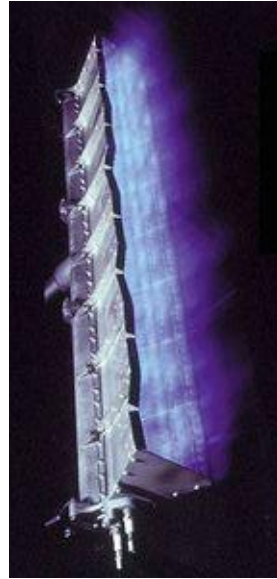




Large forming and painting manufacturing project



Burner replacement



Benefits:

Cost reduction: 25% natural gas consumption reduction

GHG emissions reduction

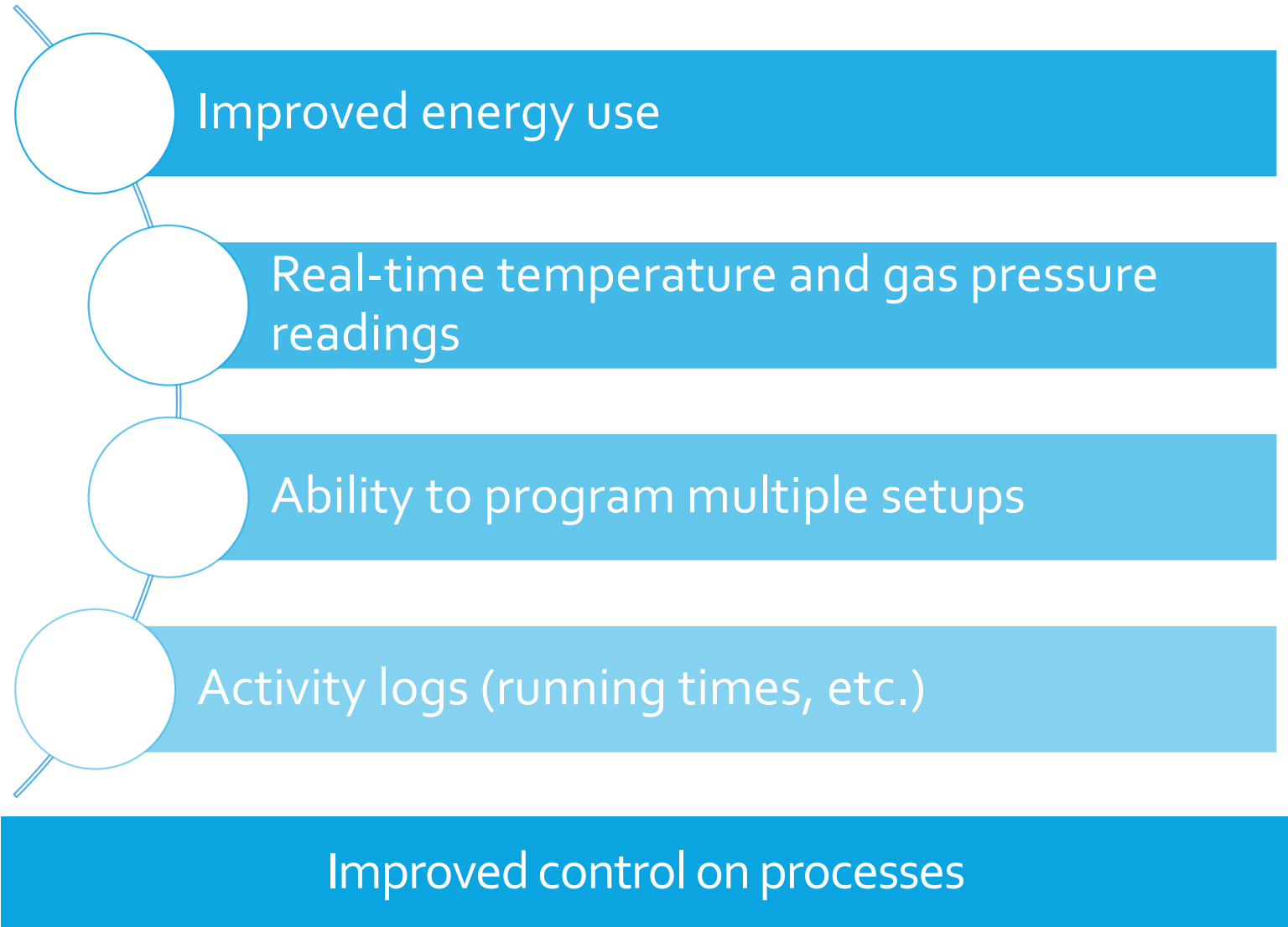
Improved productivity: shorter heating times

Improved quality: uniform temperatures

Cost and GHG emissions reduction with improved quality



Monitoring and control system





Heat recovery

Recovery of "free energy" via air-air exchanger

Enables pre-heating of dryer

Heat recovery between batches

Reduces energy cost



Take-away from
the project
review

Whether you have a
project or not

Whether it's a small or
large scale



We can help you assess its potential to
get SMART Green funding



Finally



Start early with a QTSP

- Saves you time and money
- Optimizes your application process
- Gives you access to best practices

We can help with

- Identify an eligible project
- Assess your project GHG reductions for SMART Green application



Let us support you with your SMART Green strategy



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