



## ASPIRE - Advisory System for Processing, Innovation & Resource Exchange Pty Ltd

### What is the problem?

Increased waste costs and material input costs have impacted on the competitiveness of businesses in Victoria. As a result, many Victorian local councils have introduced business sustainability programs aimed at successfully improving business competitiveness, while reducing adverse environmental impacts.

### What is ASPIRE?

ASPIRE is a 'proof of concept' project that has been developed in response to manufacturing companies talking to their local councils about waste disposal costs, particularly those associated with increasing landfill levies. This collaborative project focuses on the development and deployment of an ICT system that will assist the efforts of businesses and councils to reduce their operating costs and improve the economic development outcomes of a region.

### What will the project deliver?

The system will provide:

1. Rich and dynamically tailored information about waste management possibilities for a business
2. Facilitate the diversion of materials from waste streams by suggesting business-to-business solutions
3. Provide case studies and resource information on innovative reuse and recycling initiatives for materials
4. Give users a dynamic overview of information about the manufacturing material flows in their region.

An existing CSIRO-developed ICT (decision support) system, called IFAP, will be at the core of this industry material flow system. The system will also use and embed CSIRO's expertise in industrial engineering and industrial ecology, to help codify logistics and manufacturing processes, and to characterise and identify potential material exchanges between small to medium enterprises (SME's).



The ASPIRE project aims to demonstrate a successful web-based ICT system that delivers benefits to SME's such as:

- Reduction in landfill costs
- Creation of new business opportunities and jobs
- Improved business awareness of waste/resource streams
- Identification of potential companies for resource exchanges and alternatives to resource disposal
- Increased knowledge of the types of potential resource exchanges available

## If you want to be involved

If you are asked if you would like to participate in ASPIRE and we ask you to provide information to be used in the ASPIRE project then it is important that you read the terms and conditions that we also provide you a copy of. These terms and conditions can also be found on the footer of the <https://aspimesme.com> website.

A simplified version is provided below and is also available on the website:

1. We grant you access to ASPIRE
2. Your access may be ended at any time
3. You agree to not upload anything illegal, inappropriate or offensive
4. We do not represent or warranty data on ASPIRE
5. We may use de-identified data for research purposes
6. We endeavour to keep your information secure
7. Please don't use the CSIRO name, logo or claim sponsorship by use without prior, written approval from us.

*We will use the information for the purpose for which it has been collected.*

Be aware that information you enter may be displayed to another company that is matched to you e.g. Company details, resource, input/output, quantities, frequencies, images, if you expect to be paid for the resource.

If it's confidential – don't upload.

We require your consent that you are willing to participate in the ASPIRE project. Participation in the ASPIRE project is voluntary you can withdraw from the project at any stage by contacting Cameron McKenzie (contact details below). As per the ASPIRE terms and conditions (see Termination) you can withdraw from the project at any time. In this event, the CSIRO will retain information obtained from you prior to termination. However, we will no longer provide you with any third-party information, nor provide your data to any third parties.

At any time, you can request a copy of the information the ASPIRE has stored for your business by contacting us directly.



## What we want to know

ASPIRE uses information about the materials and resources your business uses to provide a match-making service. We need to know a little about your business – name, location, contact details, ABN, to provide to other users that the system matches you to. To match you, we need to know about input and output resource types and quantities. The resource type (this might be paper, plastic, metal) is also provided to third parties.

The data you provide will be used in our match-making algorithm, and to develop improvements to the algorithm. Where matches are found, we may follow up with you to find out if they are realistic – so our agents (economic development officers from your local council) may see the data provided in raw form; and this may be used for reporting purposes. Researchers will also be looking at the data, to find the potential to develop interesting case studies. We will contact you and ask specific permission to develop and publish a case study. Finally, we may use de-identified data for academic purposes, such as papers and conferences.

## Who are the project partners?

The project is funded by the Victorian Digital Futures Fund, Kingston, Hume, Dandenong and Knox Councils and the CSIRO. The project partners are listed below.

CSIRO Manufacturing Flagship  
CSIRO Data61  
Kingston City Council  
Hume City Council  
Dandenong City Council  
Knox City Council  
State Government of Victoria (Digital Futures Fund)



For more information - Contact:

ASPIRE: [info@aspimesme.com](mailto:info@aspimesme.com)

Cameron McKenzie 0417 212 240

[camm@aspimesme.com](mailto:camm@aspimesme.com)

Kingston City Council:

[angela.stubbs@kingston.vic.gov.au](mailto:angela.stubbs@kingston.vic.gov.au)



# ASPIRE

Rethinking how to reuse our resources

