

Innovation Management:

Implementing a preferred business model for delivery by AMPC

PROJECT CODE:	2017-1023
PREPARED BY:	Freshagenda Pty Ltd
DATE SUBMITTED:	September 2017
DATE PUBLISHED:	December 2017
PUBLISHED BY:	AMPC

The Australian Meat Processor Corporation acknowledges the matching funds provided by the Australian Government to support the research and development detailed in this publication.

Disclaimer:

The information contained within this publication has been prepared by a third party commissioned by Australian Meat Processor Corporation Ltd (AMPC). It does not necessarily reflect the opinion or position of AMPC. Care is taken to ensure the accuracy of the information contained in this publication. However, AMPC cannot accept responsibility for the accuracy or completeness of the information or opinions contained in this publication, nor does it endorse or adopt the information contained in this report.

No part of this work may be reproduced, copied, published, communicated or adapted in any form or by any means (electronic or otherwise) without the express written permission of Australian Meat Processor Corporation Ltd. All rights are expressly reserved. Requests for further authorisation should be directed to the Executive Chairman, AMPC, Suite 1, Level 5, 110 Walker Street North Sydney NSW.

TABLE OF CONTENTS

TABLE	OF CO	NTENTS	2
1.0	EXECUTIVE SUMMARY		
2.0	INTRO	DDUCTION	4
	2.1	Background	4
	2.2	Industry's innovation needs	6
3.0	PROJE	CT OBJECTIVES	10
	3.1	Objectives	10
	3.2	Key tasks to be undertaken	10
4.0	METH	ODOLOGY	11
	4.1 Pr	oject brief	11
5.0	PROJE	CT OUTCOMES	12
	5.1	Overview of the delivery model	12
	5.2	The Open Model	13
	5.3	Implementation Priorities	15
	5.4	Knowledge resources	18
	5.5	Priority-setting	20
	5.6	Engagement	21
	5.7	Strategic Communications	23
6.0	DISCU	SSION	24
7.0	CONC	LUSIONS and RECOMMENDATIONS	25
	7.1	Conclusions	25
	7.2	Recommendations	25
8.0	BIBLIC	OGRAPHY	26

1.0 EXECUTIVE SUMMARY

AMPC directly serves interests of processors and is primarily accountable to that sector. It must quickly develop and galvanize its value proposition to ensure sustainable and proactive support of processors in future based on operating with an effective and efficient network model.

This project began with a brief to develop the business case for "centre of excellence" model for innovation delivery. Based on industry input and AMPC's assessment, a separate centre as such was not a preferred way to proceed, and the model and functions developed in this work are proposed to be applied to AMPC's functions.

The implementation outlined in this document is based on applying the principles of an open model sought by industry to the new organisation model recently put in place by Board and management - featuring Membership, Provider and Stakeholder functions and supporting Corporate Services.

The paper clarifies the respective roles of, and necessary collaboration between, these functions in the delivery of services associated with innovation management. We have illustrated an example in application to a key focus area for innovation – improving energy efficiency – identifying who might do what and where collaboration will be critical to effectiveness and in reducing duplication in the eyes of members.

The paper also identifies important foundation work, including creating an effective collaborative culture backed with appropriate processes, that will can underpin for this approach.

The paper also identifies the rationale and key features of a knowledge platform that can underpin effective delivery of services to industry, improving the access by processors to insights and reducing duplication in search costs. This opportunity was identified by processors as an important plank to AMPC's improved effectiveness.

An appropriate priority-setting process should be developed to suit the new organisation model, industry settings and available resources for R&D projects.

2.0 INTRODUCTION

This document provides a summary of the proposed approach for AMPC's delivery of innovation management to the red meat industry. This document is the final milestone report in that process. It has drawn on consultation with industry which was undertaken during the preparation of the 2nd milestone report.

The scope of our required involvement in this study, and the requirements of this project, altered from the original project brief and workplan, due to decisions made by AMPC management

This paper sets out:

- 1. What we were engaged and contracted to do;
- 2. What the industry told us about servicing their innovation needs;
- 3. A preferred innovation model to address those preferences;
- 4. How that can be directly applied to the AMPC organisation structure;
- 5. Implementation priorities including collaboration, the development of a knowledge-sharing platform, engagement and communications

The work done in this project, – and how our brief was altered due to changes in AMPC's situation and requirements – is explained in the section on Methodology.

The paper takes account of a new organisation design implemented within AMPC by the CEO in 2017 which reflects primary external engagement functions – membership, provider and stakeholder – and supporting corporate services functions.

2.1 Background

AMPC administers statutory levies on behalf of the red meat processing industry in accordance with an agreement with government.

While AMPC is the dedicated processing sector R&D agency, it is the minor player in funding total processor sector R&D, leveraging funding for projects and programs from MLA, its Donor Company subsidiary and Governments through each of its three program models – Core, Joint and Plant Initiated Projects.

AMPC services an industry facing challenging economic conditions, and operating in an industry agripolitical landscape that presents significant future threats to existing service delivery models.

There is an increasing need for alignment on whole of chain initiatives. There is fiscal pressure from Governments to achieve better outcomes from industry investments in R&D through Research & Development Corporations, which not beckon consolidation of service provision, but threaten the future co-investment from public spending in R&D in the agrifood sector.

With the increasingly complex operating environment for the processing sector, the innovation demands have shifted over time, yet remain diverse across the processing sector with the differences in enterprise and plant scale, business models, adoptive cultures, and risk exposures.

As a result, available funds have in recent years been thinly spread.

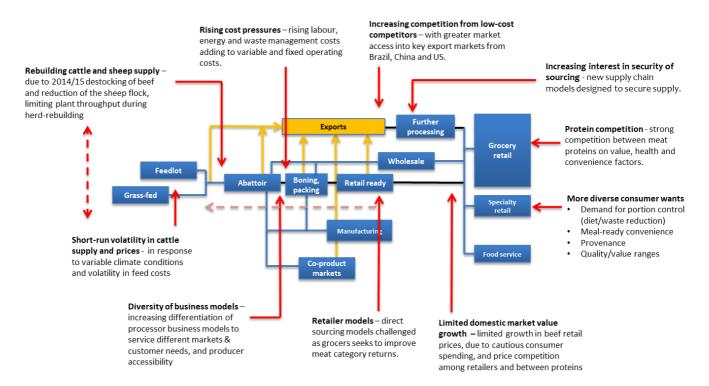
PEEST influences

We have applied the PEEST framework to identify major opportunities and threats affecting innovation in the processing sector.

	Issues	Opportunities	Threats
P olitical	Political trend to more isolationalism, anti- globalisation Stable Australian political settings, yet rise of marginal political agendas Fragmented beef industry advocacy	Stable operating environment in Australia v some competitors Rigorous regulatory regime which improves product confidence	Retreat from or weakening in key trade deals Rising protectionism in some markets Threats to foreign worker programs Potential uncertainty over market access Limited whole-of-chain view in advocacy Weaker industry leverage for co-investment
Economic	Increasing affluence in developing world Increasing competition from low-cost beef suppliers (Brazil, India) Low growth in post-GFC developed world Disconnected cattle and beef markets	Rising demand from developing markets Preserving positions in premium niche markets	Consumer focus on value Inability to compete in commodity markets Weaker viability of live trade Innovation less affordable Limits on available workforce Currency volatility
Environmental	Climatic volatility Increasing community pressure for sustainability outcomes	Digital tools to improve transparency Innovative models for waste management Novel revenue streams from waste streams Alternate materials to reduce water use	Reduced throughput over medium term "Clean and green" no longer enough Rising energy costs Rising waste water costs Greater pressure to reduce water usage
S ocial	 Increasing dietary consciousness More discerning consumers Societal demands on workplace safety More discerning workforce Increasing animal welfare activism 	Preserving strong food safety and quality credentials, backed with traceability Grassfed and other ethical differentiation	Loss of market share to other proteins Increasing workplace regulation Societal rejection of live trade Labour market competition Threats to sensitive productivity tools
T echnological	Improving automation Increasing influence of digital applications Improving materials science and innovation	Reduction in repetitive, manual work tasks Improved product shelf life Optimise RFID applications in handling	Reduced reliance on human judgement impacting quality and yield

The beef industry value chain – the medium-term outlook

The major challenges and opportunities shaping the outlook for red meat supply chain define the important settings for the potential role and essential ingredients of a successful innovation delivery model.



2.2 Industry's innovation needs

Findings from the preceding feasibility study

A feasibility study completed in 2015 provides the context for this project, defining the industry's appetite for the industry's co-investment in several key activities, as well as reviewing other approaches across overseas meat industries.

That study found significant support for the concept of a Centre, providing strong guidance as to perceived focus areas of value to the industry as well as risks to be avoided and minimised. That study also identified a strong preference from industry for a "hub and spoke" virtual structural model over any investment in bricks and mortar approaches.

This summary has been developed from the feasibility report

Drivers	Desirable model
 Perceived risks and uncertainties Reliability of technology Access to support Loss of production during installation Cost Retention of skilled staff Finance (Profits or access to industry funds) 	 Major roles The Centre would need to be both visionary and applied, addressing the following roles based on industry needs: Technology development Technology evaluation Industry demonstration Meat processing and meat science research
 Major needs Address rising labour costs Address rising energy costs Maximise product quality Optimise whole carcass recovery 	 Technology for slaughter/boning Technology for carcase evaluation and measurement Meat science and quality Tech for manufacturing and fabrication Traceability Library database

- · Improve productivity in slaughter and boning
- Improve processing efficiency by reducing contamination on chain, product loss on chain/boning/chilling)
- Increase the diversity of available markets
- Product quality (food safety, shelf life, visual quality, eating quality)
- Future workforce requirements (changing with roles, technologies and protocols)
- Address increasing regulation (WH&S, animal welfare, food safety, environmental sustainability, HR)

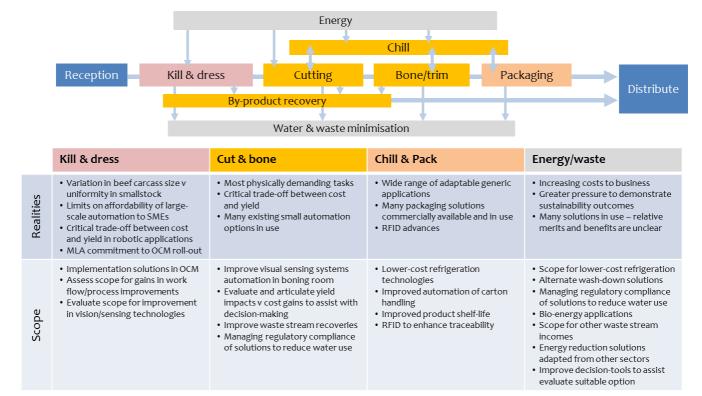
- Product innovation
- Skills development education and training (industry/students)
- · Other includes;
 - Information sharing
 - · Extension,
 - Accessible to all
 - Collaborative rather than duplication

Structure

- Strong preference for a virtual centre through a "hub and spoke" model rather than a "bricks and mortar" model.
- Majority prefer to mitigate risk of new technology through demonstration of technologies within a commercial plant compared to within a Centre.
- Highly supportive of a model that ensures a collaborative approach.

Findings from consultation

Our consultation with processors identified the apparent scope for innovation applications and solutions through processing operations.



These needs and demands vary considerably across red meat processors based on their size, innovation culture, market and seasonality exposures and location.

The priorities of decision-makers

The findings from consultation with industry indicated priorities in servicing the future management of innovation.

Industry requirement	Their priorities
Commercial value	 The model can deliver tangible outcomes to processing enterprises that cannot be achieved under existing industry resources and arrangements Balances and safeguards the provision of collective industry outcomes as well as providing commercial outcomes for processors There should be no commercial disadvantage from the industry provision of R&D outcomes
Efficiency and convenience	 Improved engagement and consultation with appropriate management and opinion-leaders Effective one-stop shop for knowledge and insights to reduce duplication and search costs Close gaps that exist in current access to expertise and resources Provides a structure that ensures effective collaboration between industry service providers Improved project management, by eliciting improved processor involvement in design and management of projects, clarity of decision-points and a focus on timely delivery
The value proposition	 The model can deliver improved industry service and research & development outcomes across all activity areas The model must not only address priority innovation needs, but also help guard against key industry risks Appropriate governance and accountability to manage investment of industry levies Improved performance of the overall investment in industry levies
Scope of application	 Greatest focus should be placed on a set of core industry-good platforms The model should readily cope with the divergent requirements of different types (segments) of processors Identify ways to enhance or underpin the incentive to innovate and undertake R&E Encompasses career pathways, skill gaps and ongoing skills development - as identified on the following page.

Other elements identified in consultation

The findings of the feasibility study indicated there were various other functions related to skills and employment that could fit into the scope of the Innovation Centre.

Aspect	Implication
Incentive to collaborate and innovate	 Seek novel means to ensure flexible funding arrangements which include provide incentive to allow access to test sites/facilities, and take advantage of processors willing to make sites/space available Support extension of CISP program to compel processor management/technical involvement
	 Facilitate the availability of test sites (appropriate by region based on relevance and application) to improve access for evaluation and extension
Improved clarity of career pathways	 The model should accommodate a program that clearly articulates career path opportunities that exist within enterprises and across industry
Skills development due to greater complexity and new requirements	 Identify new/emerging skills based on advent of new technologies (such as automation applications) Identify opportunities for programs and learning opportunities to improve development of management skills in processing enterprises, including leadership and exposure to wider food industry issues Negotiate faster course identification and development to address needs. Influence course design to enable tailoring to SMEs

3.0 PROJECT OBJECTIVES

The project objectives as specified in the research agreement are outlined below.

3.1 Objectives

This study will provide AMPC with recommendations regarding the optimum business arrangements, commercial structures and operating framework for the hub and spoke components of such a Centre.

The key objectives of this Centre would be to:

- Facilitate the development and evaluation of new processing technologies;
- Facilitate leading meat processing and meat science R&D across key capabilities; and
- Develop the research and technical skills required by industry in the future.

3.2 Key tasks to be undertaken

The main principles of our approach are to:

- 1. Consult with industry to put operational flesh on the principles identified in the feasibility study
- 2. Clearly delineate the pre-competitive space in which the Centre would operate across the focus areas;
- 3. Develop and test a business model (including all aspects as outlined below in stage 3) that allows cost-effective delivery of those functions to industry;
- 4. If appropriate, develop a financial evaluation framework that provides projected financial results, balance sheet and cash flows
- 5. Consolidate on the basis of the above and clearly present the business case for establishment and co-investment in a Centre.

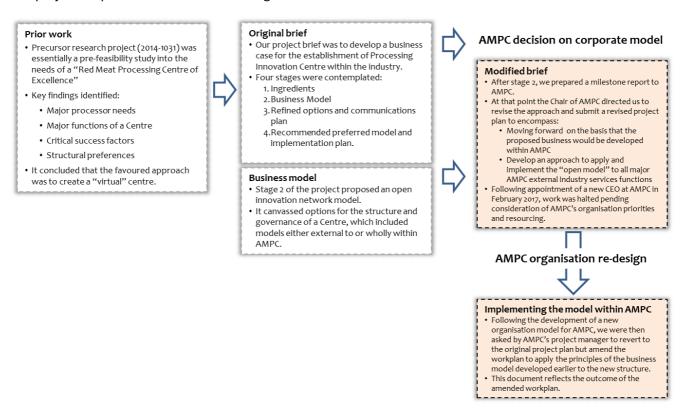
As indicated earlier, the scope of the project was amended by AMPC during the course of the work in view of the preference for a corporate structure to cater for innovation delivery, which was based on the outcomes of the Stage 3 Milestone Report, and the internal organisation model that was adopted by AMPC management in June 2017.

This accordingly adjusted the tasks that were undertaken.

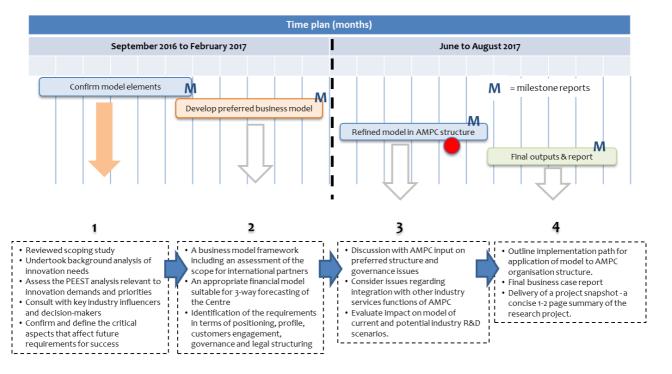
4.0 METHODOLOGY

4.1 Project brief

The project scope was altered from the original brief.



The timetable in which the work was conducted is outlined in the chart below.



5.0 PROJECT OUTCOMES

5.1 Overview of the delivery model

The key features of the proposed business model for innovation delivery are outlined below:

Objectives

• Improve the outcomes from innovation by red meat processors in areas addressing critical business needs in the future.



Positioning

- · The innovation management function is proposed to be highly visible with meat industry stakeholders and participants
- Sustained, strategic and systematic engagement will underpin all activity and ensure industry sees value and relevance in the company's investment of levy funds.



AMPC's model

- AMPC will use a "virtual" network model, based on a "hub" facility which will employ a small team managing a number of
- The Hub will manage a number of relationships with external technology and skill providers mostly located in overseas
- · Those focus areas will be grouped by technology or competency area. More than one provider may be linked in the model under each focus area.
- AMPC will "broker" access to technology inputs based on customer need.

The USP

The unique selling proposition of AMPC is to offer:

- · A dedicated, customer focus on the current and future processing innovation needs of red meat processors of all sizes, species and locations.
- The focus takes a whole-of-chain view of processing sector needs, including supply-side realities and consumer-driven
- · Reduced duplication of effort and costs in identifying and evaluating solutions
- A model for improved access to insights
- Improved collaboration to achieve greater pre-competitive



The business model overview

This table describes how the innovation activities of AMPC propose to create, deliver and capture value for the industry.

Key Partners

- · Technology providers (global) in a number of focus areas
- Innovations centres in key skill and science areas
- · Project facilitators and integrators Industry partners and
- collaborators
- · R&D funds providers

Key activities

- Brokering
- Portfolio & technology management
- Knowledge management
- · Engagement and communication

See page 18

Key resources

- Data services

Value propositions

- · Delivery of valued insights
- One-stop shop for technical know-how
- · Reduced search and costs
- Improved collaboration in key pre-competitive challenges
- Attentive to diversity of specific sector needs
- Avoidance of crosssectoral conflicts

Customer relationships

 Processor members (commercial and technical)

Channels

- Direct consultative engagement
- Online portal
- · Digital communications
- Technical forums

Customer segments

- Segmentation of red meat processors which takes account of
 - · Size & financial capacity,
- Species
- Information needs
- · Risk appetite
- R&D attitude
- · Adoptive behavior

Cost structure

- · Staff costs based on skill and function
- Travel
- · Data system requirements

Revenue streams

- · Levy allocation
- Non levy-paying Membership
- Information/insights subscriptions
- Brokerage and project management fees

5.2 The Open Model

An open-network model for the delivery of innovation solutions by AMPC found greatest favour with industry.

The key functions of that model sought by processors include:

- Providing transparent access to services and solutions.
- Brokering access to solutions by processor customers
- Improved knowledge management, including better access to existing resources and knowhow across subject areas
- Test sites

 Academia & Research centres

 Specialists in technology

 Champions

 AMPC

 Industry

 Governments

 Members
 - Membership and customers
- Achieve cross-pollination of learnings and outcomes from innovation
- Helping identify gaps to guide the portfolio of innovation focus areas (driven by industry need) and drawing on the greater awareness of accessible innovations from the network
- Better oversight and management of project performance and delivery
- · Improved customer consultation and engagement

The table below has distilled the processing sector views gathered through our consultation, of various aspects of the determinants, requirements and functions of the model.

	Brokering	Portfolio and technical management	Knowledge management	Engagement and communication
Current state	Wide range of potential solutions Unclear benefits analysis Lack of accessible, precompetitive guidance Duplication of effort Inflexible food safety regulations	Lack of drive in project management Slow delivery of outputs and outcomes Low processor expectations Lack of processor engagement	Low understanding and access to "what is out there" No searchable insights platforms Duplication of search efforts	Weak value proposition from collective R&D efforts Role of AMPC not well understood (vis-a-vis MLA) Limited engagement and perceived relevance to SMEs
implementation	Develop relationships with key tech and skills providers in focus areas (based on portfolio needs) Develop test site protocols and incentives with processors	Develop/adapt process to identify and monitor processor needs and priorities Create customer account management system and process Create project management governance standards	 Create knowledge base Acquire appropriate knowledge management system Develop systems to gather, synthesize, capture and disseminate insights 	Establish strategy to achieve necessary profile and engagement Launch events Articulate role, activities, customer access through relevant media and channels
Ongoing activities	Matching needs with solutions Assess and quality tech providers and their offering Assist/broker project funding Manage relationships with tech and skills providers Facilitate access to test sites Developing solutions to meet regulations associated with changing operating practices and technologies	Visit leading events Monitor technology advances and solutions Monitor and regularly review innovation portfolio Monitor project progress and outcomes	Research, evaluate and qualify application of leading global technology developments Disseminate project outcomes and insights Maintain knowledge base Visit leading events and technology leaders	Engage processor commercial and technical management Two-way: understand needs, articulate insights and solutions Articulate project outcomes and benefits

Features of the model

The following summarises some of the key features of the model:

Brokering solutions

- AMPC acts as a "qualified broker" of requests from customers, such that recommendations as to appropriate solutions have been credentialed based on proven experience and relevance
- It will remain vigilant of international developments in relevant technology and solution applications
- AMPC maintains an "expertise bank" a register of leading expertise for solutions in relevant fields/technical areas
- Resolving/negotiating regulatory acceptance of improved practices and techniques

Potential network participants

This tables includes examples of some of the potential providers as participants in the network model, which would be assessed and developed once the new approach is in operation, and after consultation with industry. This would be undertaken as part of the foundation work outlined later in the report.

Focus	Examples of potential partners*
Cutting automation	Commercial providers (Scott, Marel, Milmeq)
Meat science	Leading global centres (DMRI, Teagasc MTC, UNE, UTAS)
Refrigeration	Commercial providers (Milmeq)
Packaging	Commercial providers (Packforum/Sealed Air), leading meat technology centres
Product handling	RFID systems providers, carton handling automation providers
Sustainability	Commercial biomass digester system providers;

Relationships with technology and skills providers

- A clear two-way value proposition must be created to underpin relationships with technology providers and skilled specialists
- A potential stream of value must flow back to their host organisation from the engagement
- This may include scope to provide services/solutions into the Australian industry (attractive due to diversity of business models and size), or gain learnings from the Australian industry context

Leader or facilitator

- Each node will have a leader or facilitator, who is a subject expert as part of the structure
- These will be located as required based on their expertise (some in Europe or US)
- AMPC may be required to remunerate these focus area leaders in order to engage their commitment
- AMPC identifies appropriate integrators to work with processors and solution providers to ensure focused project application and pragmatic problem-solving.

5.3 Implementation Priorities

Strong service proposition

Red meat industry settings and future challenges - in particular for processors – demand a far greater focus on achieving optimal outcomes from any collective investments of levy funds and the leveraged co-investments from other stakeholders including government. The competition for available investment funds in improving access to markets, product quality and cost-competitiveness has heightened in recent years against a background of volatile operating conditions and increasingly competitive protein market.

The complexity of the red meat industry in terms of various stakeholder interests and more diverse business and supply chain models puts greater pressure on the best use of these resources. There will be increasing competition in future from industry and commercial sources to service the needs of processing sector across its diverse segments.

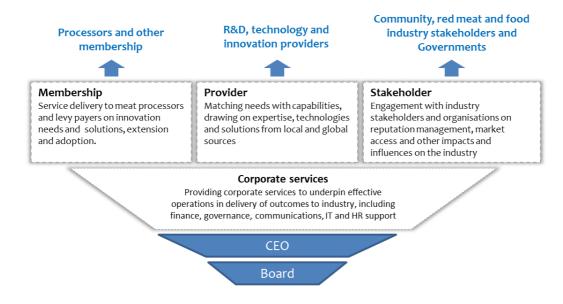
AMPC directly serves interests of processors and is primarily accountable to that sector. It must quickly develop and galvanise its value proposition to ensure sustainable and proactive support of processors in future.

The priority for AMPC to remain a viable organisation model in this future environment is to focus on maximising its value to processors as members and customers as a trusted R&D leader on key sector agendas and as an innovation and capacity development facilitator.

Organisation structure

This overview of implementation priorities is based on applying the principles of the open model sought by industry to the new organisation model recently put in place by Board and Management. The new organisation structure for AMPC has been implemented to respond to the future needs of the company's role within the within industry.

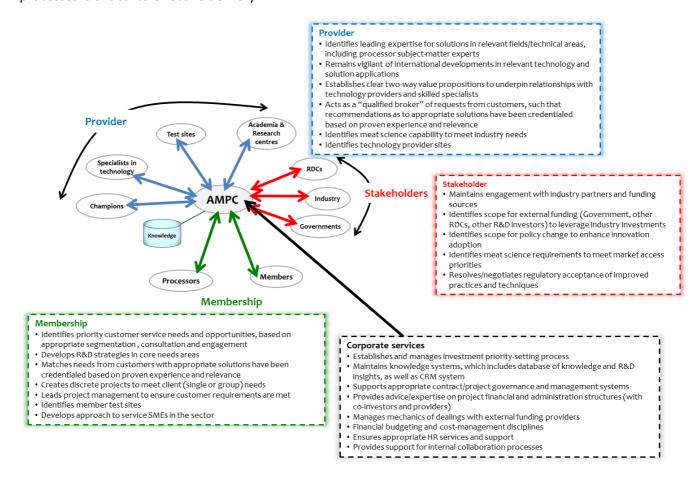
In the following pages, the open model has been applied to AMPC's functions outlined in this chart:



AMPC's core functions

The external-facing functions of AMPC fit well with the network model favoured by industry. The chart below identifies the key functions in each case **relevant to the delivery of innovation outcomes** to the red meat processing sector.

The integration of AMPC's external-facing and corporate services functions into collaborative processes is critical to effective delivery.



Foundations for internal collaboration

There are a number of areas of work with industry and internally within AMPC to create the basis for effective innovation management under the model described in this report, in accordance with the organisation functions and roles. The table below identifies where collaboration across functions will be critical in this process.

	Functions			
Example	Membership	Provider	Stakeholder	Corporate services
External	Develop and apply a framework to segment processors and members Engage with processors to identify priority R&D needs and opportunities Develop account planning approach across segments	Identify capabilities in core need areas For each core area: Identify subject-matter experts within industry Identify thought leaders in external providers	Map relevant organisations, their role and influence in innovation management Prioritise according to importance and influence to AMPC Identify areas for potential investment fund Identify access to available funding programs and their requirements Collaborate with AMIC on SME needs	Identify appropriate partnering models for test sites Establish guidelines for co- investment options
	(Lead) Develop R&D strategic plans across in each needs	(Assist) Develop R&D strategic plans across in each needs	Identify appropriate/potential investment partners	
Internal	Assess outcomes of recent study into SME needs and risks		Assess outcomes of recent study into SME needs and risks	Instigate priority setting process to allocate investment funds
	• (Lead) Provide i	nput to requirements and developmen	t of knowledge hub	(Assist) Develop knowledge hub through IT services
	Commit to effective collaboration procedures and processes (meetings, cross-consultation, use of supporting CRM and knowledge tools)			Develop/maintain effective collaborative administration and information support and monitoring systems as directed

Approach to collaboration for example application

Rising energy costs are a common challenge across food processing — especially in red meat processing. Identifying innovation and cost-saving solutions is an ideal subject-matter to identify priority projects as well as to develop the collaborative model. The table below identifies where collaboration across functions will be critical in the delivery of effective outcomes in this example process.

		Fund	ctions		
Phase	Membership	Provider	Stakeholder	Corporate services	
Preparation	Review applicability of prior work to established processor segments	Assess past research	Assess past policy initiative and influence		
Needs and capabilities	Drawn on strategic/account plans developed Map common areas of unmet need across segments	Identify expertise in core areas Identify appropriate project experience in related sectors Review past work to avoid duplication Identify subject-matter experts	Identify which stakeholders have developed positions and capability in this space Identify government programs & funding sources Identify potential policy levers	Knowledge hub to provide insights	
Priority setting	Identify priority unmet challenges and needs related to energy (use, waste conversion)	Identify greatest scope for gain from various applications and technologies		Develop and apply criteria to meet strategic plan & budget	
Delivery	Develop project application	Identify appropriate resources and inputs		Appropriate funds in line with budget/strategic plan	
	Supervise, client liaison Facilitate processor input	Assist co-ordinate provider resources and expertise		Facilitate co-funding arrangements if appropriate	
	Lead project management	Assist project delivery with tech inputs			
Outcomes	Learnings across sector Extension opportunities for SMEs	Develop/source toolkit solutions	Assess policy outcomes/actions	Develop appropriate dissemination Store in knowledge hub	

5.4 Knowledge resources

Direct outputs from projects and their extension across industry are not widely accessed or used. These materials are, in the main, held in an AMPC website search engine, but not stored in a way that enables intelligent searches on relevant technical or functional keyword subjects, nor does it contain or cross-reference to a wider body of knowledge and insights.

The accumulated know-how and insights from total RD&E activity (including experience from its application) is difficult to access, diminishing the perceived commercial value of past, present and likely future investments across industry.

The scope for shared insights within the red meat industry goes much wider than the outputs of R&D projects. There are limited shared resources or extension aids and tools to help processors apply findings from past work.

There is a greater demand from processors for solutions for common challenges, such as improved environmental outcomes, improving yields, reducing waste, minimizing energy use etc. There is also greater need to access expertise in relevant areas of potential processing improvements – whether local, national or international.

At present, there is significant duplication in accessing knowhow, providers and searching for past project outcomes.

Improving value, enhancing collaboration

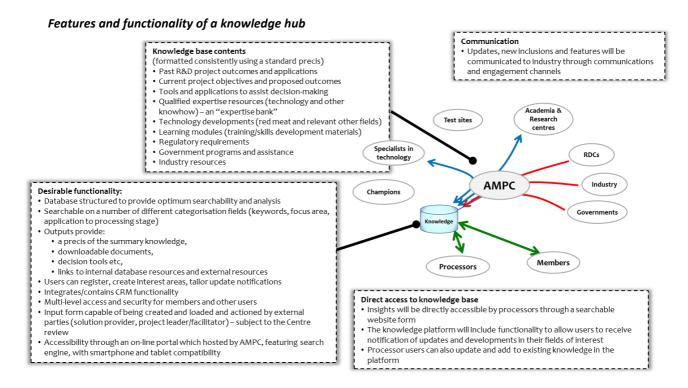
Enabling effective access to existing and future know how will require greater flexibility and agility – the scope of the insights provided to AMPC members must widen over time, and the need to customise to suit user demands in future will increase as the use of such a tool matures.

A sophisticated central knowledge hub that firstly captures existing knowledge and allows ongoing expansion will be a vital tool to underpin AMPC's delivery of innovations solutions, and to create a better value proposition to its membership and the broader industry.

A knowledge platform that is open to contribution from industry users can provide a tangible way for collaborators to efficiently share knowledge with others, and underpin the strength of AMPC's open business model.

Proposed Industry knowledge base

A critical resource of the Innovation management activities of a knowledge management system which will employ a suitable database system of insights and knowhow to inform processors, members, providers and stakeholders. The platform will be developed and maintained by AMPC, with direct access for industry participants.



A critical resource of the Innovation management activities of a knowledge management system which will employ a suitable database system of insights and knowhow to inform processors, members, providers and stakeholders. The platform will be developed and maintained by AMPC, with direct access for industry participants.

The aims of a project to design and develop such a facility would be to:

- Improve collaborative knowledge management and access within the red meat processing sector to R&D outcomes, insights and opportunities;
- Enable ready access to the outputs, outcomes and learnings from RD&E as well as a range of other resource and decision inputs and insights to processor decision-makers, researchers, service providers and other stakeholders;
- Create a two-way knowledge platform that facilitates and invites contribution from industry participants and solution providers;
- Deliver a platform that has a long life with expansion, adaptability and relevance to many applications, as well as relevance across membership, processor and user segments;
- Develop and deliver an efficient process for growth and maintenance of the platform, taking
 account of the need for low-cost but timely management of the workflow processes by AMPC;
- Develop a plan to effectively communicate the scope and opportunity from use of the platform;
- Develop a strategy and business model framework for on-going funding and resourcing of the knowledge hub.

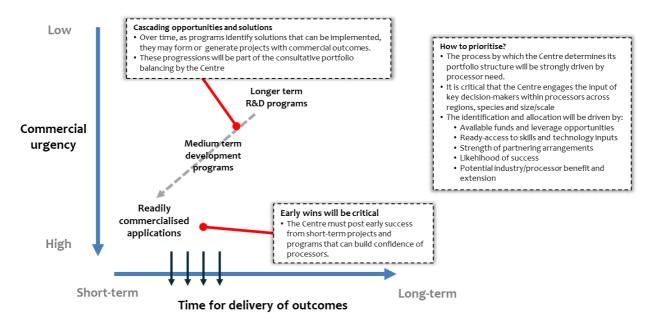


Simplified work flow diagram

5.5 Priority-setting

Portfolio development and management

AMPC will assist industry's investment in innovation projects by influencing a balancing the portfolio of projects and programs across time horizons which respond to the strength of commercial needs of processors, which is likely to fall into segmentation as represented below. The prioritisation and allocation of specific projects and programs into each of these will build on the process undertaken by AMPC in 2016/17 and draw on strong input from the commercial and innovation management of processors. The allocation will be governed by available funds (including opportunities to leverage funding), the scope for investment returns and benefits across industry, and the proximity to commercial application in each case.



Upgrade processes for new model

There will be a need to enhance existing investment priority setting processes to the new AMPC organisation structure and the open-network innovation model.

The following considerations are relevant:

- Engage appropriate participants and expertise from membership and providers to identify strategic R&D focus areas in development of strategic plans.
- Membership engagement as part of account planning work will identify priority needs.
- Top down
 Project
 Prioritisation
 Optimise
 Portfolio
 Customer
 needs/gaps
 Create value

 Partners

 Resource
 Capacity

 Suppliers
- Engagement with industry partners will be ongoing to collaborate regarding the appropriate roles for origination of sector/enterprise specific versus whole-of-chain initiatives
- The framework on the right balancing available resources and capabilities to priority projects



will be managed by Corporate Services but draw on Member, Provider and Stakeholder team leaders as appropriate.

- At a project level, this will require evaluation of the optimal investment mix based on scope for improvement, genuine gaps in capability and the materiality of the benefit to members.
- Allocations between needs of the three innovation horizons (see over) and maintenance requirements (i.e. to support SME needs).
- In the short term at least, Horizon 1 projects and programs are likely to dominate the portfolio
 due to the need for AMPC to build trust with members and processors regarding the delivery of
 outcomes

5.6 Engagement

Informed, strategic and systematic engagement across the three operational areas – members, stakeholders and providers – is essential to the success of AMPC.

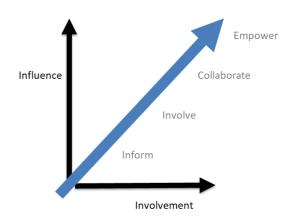
It is recommended the identification and mapping of members, stakeholders and providers is framed consistently, within the International Association of Public Participation engagement spectrum. This spectrum considers the promise AMPC is making to each group and prioritises what level of engagement and communications is undertaken.

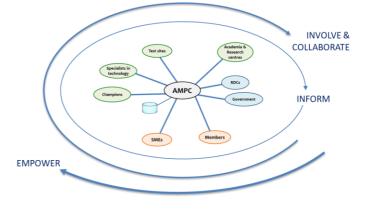
Members

Engagement must be based on a systematic assessment of members and their needs. A baseline understanding of requirements and expectations of innovation, and drivers for uptake will provide a foundation for remodelling R&D generation and manufacture.

Member engagement is at the heart of an innovation model. It will seek to empower them in determining and driving AMPC's R&D focus, with an understanding of and support for the company's priority setting process.

LEVELS OF ENGAGEMENT





The objective of engagement is to ensure end-users actively contribute to project development and design.

A useful KPI will be number of projects and number of processors involved at design, development, delivery

Co-design of projects and programs will increase the likelihood of impact, and opportunity to meet

industry needs, from R&D investment.

Active processor and researcher involvement and collaboration in the discovery and design of projects is essential to success. A clearly articulated, sustainable and practical process for this two-way engagement must be a priority.

At the outset, processor mapping against regions, species and size, as well as articulated areas of focus, will underpin worthwhile and sustainable engagement.

Following that, this engagement process must be accessible for all, and include the promise that processor input will have influence on the AMPC's operational focus. Following initial engagement processors seek reassurance that this input will be on-going and reported back on.

A knowledge hub that provides for segmentation of this communication and engagement will complement the direct and personal outreach.



Stakeholders

There is an immediate need for mapping of influence and involvement of stakeholders in the AMPC environment, for triggers and mutual topics of interest, and prioritisation of effort and resource, allocation of responsibility and identification of where and who within AMPC needs to engage based on this understanding.

The level of engagement with stakeholders will vary according to prioritisation. For some, engagement will be at an inform level only. Others will be actively collaborated with on projects and initiatives.

Providers

There is an immediate need for mapping of areas of capacity, expertise, interest and influence amongst AMPC research providers to expedite engagement with this group, systematically prioritise connections, and actively link research to industry.

Engagement with providers will be proactive, strategically involving them and collaborating with

them . However, the empowerment sits with industry in driving the R&D agenda.

5.7 Strategic Communications

The aim of a communications strategy is to drive uptake of research and knowledge amongst industry, and improve the engagement regarding future innovation priorities and outcomes.

Objectives

- 1. To build awareness of the AMPC's model and the opportunities it affords industry
 - KPI: Leverage of AMPC survey of members to understanding/measure awareness.
- 2. To share new knowledge and insights
 - KPI: Number and regularity of communications outputs.
- 3. To demonstrate value for the investment to end-users
 - KPI: Level of spending on innovation and R&D projects, including external leveraged funds

Principles

Five key principles underpin communications:

- Credible and consistent based on evidence.
- Accessible and proactive available for all.
- Transparent and clear open to scrutiny.
- Collaborative and co-ordinated underpinned by co-design.
- Audience-focused designed to serve the purpose of industry.

	W	no is i	nvol	/ed
Stages of communications	Corporate	Member	Provider	Stakeholder
Stage 1: Build awareness				
 A clear value proposition that reflects the needs of processors A narrative that is clear, consistent and cohesive, and provide a foundation for all subsequent communication. An established and understood engagement process 		✓	✓	✓
Stage 2: Share knowledge				
Knowledge hub				
 A resourced and coordinated communications plan 	✓	✓	✓	✓
 A fully functioning and systematic engagement 				
process				
Stage 3: Drive uptake		1		
 Engagement, Education, Experts 	Ť	Ť		

Audiences	Segments
Primary	• Processors (segmented as appropriate)
Secondary	 Research partners (domestic and international) Industry R&D managers (AMPC, MLA) Industry representative bodies (AMIC) Government (Federal, State, Local)
Tertiary	Broader industry

6.0 DISCUSSION

The author should include a full interpretation of the results.

Risks

There are a number of risks applying an open model as described. The table identifies key risks and their mitigation.

Risk	How to address/mitigate
The groundwork isn't done The approach to creating processes aren't properly planned	 A plan for "foundation" work is set out on the following page identifying where external and internal activities are likely to be required.
Ineffective collaboration There is a lack of leadership in driving and guiding collaboration across functions, and the collaborative processes are not supported by suitable systems	 There needs to be incentive and support to foster collaboration between AMPC function leaders. It is likely to require supervision and formality in reporting/performance measurement systems. In the early stages, this may require facilitation to enable teams to become accustomed to the process and working with each other towards AMPC, customer/stakeholder and functional objectives.
Remain spread too thinly Failure to prioritise and streamline investments resulting in continued 'stretch' and resulting lack of impact.	 A priority-setting process that incorporates needs and capability gaps.
Poor co-ordination Engagement with external parties is done out of step with other functions	 Collaboration and consultation referencing an accurate and robust CRM system can help avoid this risk
SMEs continue to be overlooked The divergent requirements of larger processors mean the needs of the SMEs are left out in priority setting. They present a significant risk to the sector if not serviced in an appropriately to suit their needs.	 Prioritise programs to provide extension support to SMEs based on key risks Consider and confirm approach to SME involvement and engagement, and commit to that across the organisation.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

The main conclusions from this study are as follows:

- 1. The futures innovation needs of industry outlined in this paper reflect a wide view of innovation drivers and demands.
- 2. The preferred model should be applied without need for additional corporate or organisation structures, and can be applied to the proposed new functional structures within AMPC.
- 3. Successful implementation of this model will require **considerable collaboration across those functional areas within AMPC**. This includes significant foundation work to underpin AMPC's as well as in specific applications across focus areas or themes of innovation demands/solutions.
- 4. Successful implementation of this model to improve innovation outcomes will also require a structured and **strategic approach to engagement** with members and processors, respecting an appropriate segmentation of needs.

7.2 Recommendations

Based on the work undertaken in this project, we recommend:

- In view of the industry environment and the nature and sources of investment funding for innovation projects and capability-building, an Open Network Model of innovation management as outlined in this paper should be implemented forthwith by AMPC to improve the effectiveness of managing the innovation demands of red meat processors.
- 2. AMPC management should **lead, foster and support effective collaboration** across functions as outlined and exampled in this paper.
- 3. A **robust segmentation of processors** that takes account of different needs influenced by size, location, market exposure, and innovation culture should be undertaken to drive the prioritization of resources.
- 4. A **strategic engagement and communication plan** should be developed for ongoing use in understanding needs, managing innovation projects and communicating outcomes.
- AMPC should evaluate a business case for the development of an online knowledge hub to
 underpin the effectiveness of its services to industry, and address a major gap in the ability to
 capture and provide ready access to insights and learnings from current and future investments.
- 6. That business-case assessment should investigate broad technical platform options, extent of application and scope for integration with other customer-service tools required to proactively service processor and membership customers, as well as to improve collaboration with suppliers and stakeholders.
- **7.** AMPC should review priority-setting processes –blending "top-down and bottom-up" approaches for future investments and co-investments in view of its new organizational functions.

ampc.com.au

8.0 BIBLIOGRAPHY

This report references a project report delivered prior to the commencement of this project.

Toohey, E; Baker, Dr D; Rice, Dr J; Hopkins, Dr D. (2015). A Feasibility Study and Provisional Business Case to assess the scope and potential for establishing and operating a world class Red Meat Processing Innovation Centre of Excellence in Australia. Sydney: AMPC.