

Technical Specifications

MADCAP suite security

- Definition of databases, user groups and users
- Tiered group-based security
- Management of users and user rights to all installed modules and functions within modules
- System monitoring and reporting
- Online backup facilities

Names and addresses

- Definition of farms and farmers/members
- Management of agreements (contracts) between farmers/members and farms
- Management of any split in milk payments between farmers/members
- Management of farmers/members deductions
- Extensive inquiry, reporting and report writer options

Milk testing

- Manual or automated testing for any defined test type
- Variance analysis to ensure sample consistency
- Test scheduling and follow-up mechanisms in response to grade/adverse results
- Configurable integration with most known analyzer manufacturers
- Extensive inquiry, reporting and report writer options
- Entry of non-farm sample results and batch management

Milk collection

- Manual or automated entry of tanker runs and volumes collected
- Grading based on progressive matrix based user defined regimes
- Extensive inquiry, reporting and report writer options
- Customizable interfaces with third party transport management systems

Milk payments/payroll

- Calculation of transport (haulage) costs based on an extensive list of parameters
- Management of milk flow and separation regimes including:
 - Grade based separation
 - Penalty based separation
 - Quota based separation, including EU Quota management and US federal orders
 - Priority based separation
 - Pre-determined separation
 - Production levels
 - Time periods
 - Date ranges
- Construction of dairy company specific payment regimes through the use of user definable payment formulae (these can be used to build formulae for payment use, or for use with forecasting or for other purposes. The US cheese yield formula can be constructed through the use of these formulae)
- Calculation of payment for farms over any defined payment period length
- Calculation of retrospective (step-up) payments over any defined period, through the use of user defined payment formulae
- Calculation of levies (or any other state imposed charges)
- Management of the split of payment between multiple parties associated with a farm
- Management of loans to farmers
- Management of deductions (rural stores payments, hire arrangements etc) for farmers/members
- Deposit of funds into selected farmers/members accounts via direct credit deposit, or via integration with a selected finance system
- Extensive inquiry, reporting and report writer options

Share register/equity

- Definition of share/security types
- Issue of shares to shareholders, and management of all transactions, i.e. issue, transfer, cancellation etc
- Definition of annual (or other) shareholder meetings, printing of voting papers, management of voting entitlements, vote entry and reporting
- Calculation and payment of dividends
- Extensive inquiry, reporting and report writer options

Internet access

- Dial-in facilities for farmers/members to call the system and collect test results and collection information via a standard touchtone phone
- Automatic notification of test results and messages via email and/or fax
- Internet site with ability to customize through the use of CSS (Cascading Style Sheets)
- The Internet site provides farmers/members with access to the following information:
 - Test results
 - Collection information
 - Production information
 - Payment information
 - Production graphs
 - Share registry/equity information
 - Payment and production statements
 - Classifieds
 - Standard company documentation
 - Production graphs
- The Internet site provides dairy company staff with access to the following information:
 - Test results
 - Collection information
 - Production information
 - Payment information
 - Production graphs
 - Share register/equity information
 - Payment and production statements
 - Classifieds
 - Standard company documentation
 - Production graphs
- All reports from all available modules

For more information

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**Madcap
is here!**



Madcap*

A suite of software
modules for the dairy
industry

Product Information and Benefits

*This brochure provides an
overview of MADCAP and
is designed for Information
Technology managers,
Quality Assurance and
Procurement managers.*

** Milk Analysis, Data Capture, And Processing*

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is here!**



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MADCAP at a glance

- A market-leading suite of software modules for the dairy industry
- MADCAP works with both manual and automatic systems and provides:
 - Milk testing and scheduling
 - Collection and accounting for milk flow
 - Payment to farmers and share equity systems
 - Direct communication with farmers (fax or email)
 - A dedicated internet site allowing farmers access to their information

Who should use MADCAP

- Dairy companies, big and small

What are the benefits of using MADCAP

- MADCAP works!
- It is already proven in world markets
- It is cost efficient
- It improves overall efficiency
- Configurable to your exact needs
- It provides the information dairy companies need, on time and in the right format
- It provides the information farmers need, on time and in the right format
- Its benefits flow to the bottom line – improved profit

MADCAP technology

- Is industry leading
- Is scaleable
- Works with third party applications (including XML for data exchange)

The Business Challenge

Managing milk flow and quality is an increasingly important task for dairy companies. Huge volumes of data flow in every day. This needs to be turned into information as quickly and efficiently as possible and supplied in a usable format to the relevant business units and divisions.

Farmers are being supplied with more and more production and financial information, mostly through the Internet.

This information helps them with budgeting and on-farm management. As a result, farmers are able to identify and resolve on-farm issues much more quickly than when they relied on non-electronic forms of communication.

Dairy companies compete fiercely for milk supply and for market position. In order to remain competitive, they need to be able to quickly and cost-effectively change quality and payment regimes, if required.

What is MADCAP?

MADCAP (Milk Analysis, Data Capture, And Processing) is an industry-based software system. It is highly configurable and scalable. It offers the agility required by the modern dairy industry. MADCAP is also very cost effective and provides a high return on investment.

MADCAP offers a multiple module solution that offers everything from the collection/procurement of milk; testing and quality management through to payment to members for milk supplied, as well as share equity systems. From an IT perspective, all modules share the same database, so there is no longer a need for complex reconciliations between disparate bespoke systems.

MADCAP also manages the delivery of information to the farmers/members via a standard Internet site. It also provides automated email and fax distributions to farmers.

MADCAP will integrate with your data warehouse. MADCAP's information is available to third party report writers and third party development as needed. It also makes use of leading inter-system technologies, such as XML, to ensure seamless integration with new or existing systems.

The system of choice

MADCAP is the system of choice for dairy companies in Australia and New Zealand – the world leaders in efficient dairy operation – and has a market history of more than 30 years. The New Zealand and Australian dairy industries are highly automated and efficient, particularly those companies that use and benefit from the many automated features in MADCAP.

MADCAP is used by dairy companies that cumulatively supply 40 percent of the tradable dairy products in the world market.

Case History



Australia's Dairy Farmers Group has been on a major growth streak. After many mergers and acquisitions, the co-operative today is the largest supplier of fresh milk products in Australia, operating in New South Wales, Victoria, Queensland and South Australia. Consolidation within the dairy industry has been a universal trend as groups bolster their resources to vie for new international markets. Along with growth has come big business and changes, particularly for the Dairy Farmers Group, where in Australia the industry faced deregulation, nationalization and GST all on the one day.

Helping them rise to this challenge has been Contec Group International, a New Zealand-based software development company specializing in the dairy industry. Contec Group has more than 30 years experience in developing solutions for the dairy industry in New Zealand, Australia, Fiji and the United States.

An excerpt from a case study prepared by Jade Software Corp

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