

**High capacity  
automatic  
milking for  
large herds**

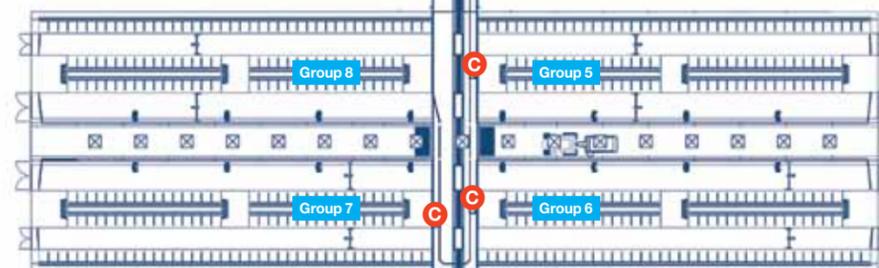
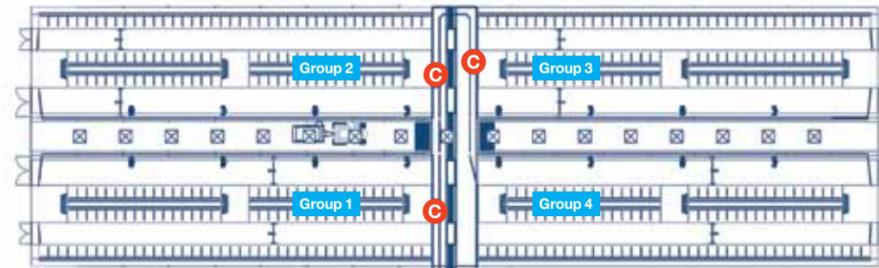


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## Typical AMR™ system planning

- 1 AMR Automatic Milking Rotary
- 2 Farm office
- 3 Machine room
- 4 Milk room (main tank and buffer tank)
- 5 Holding area with crowd gate
- 6 Short term separation area
- 7 Special attention separation area / HB holding area
- 8 Herringbone parlour for treatment cows
- 9 Treatment, maternity & calves
- 10 Cow transfer lanes



### Cow traffic management:

- A Smart gate allows incomplete cows to return to milking or sorts cows to area 6
- B Smart gate sorts cows after milking back to their respective barn (left or right) or to the special attention area 7
- C Smart gate automatically returns cows to their group after milking

8 groups, 105 cubicles per group

## DeLaval AMR™ – make the change



DeLaval AMR™: The world's first Automatic Milking Rotary

# Why DeLaval AMR™?

By 2050, the UN predicts the world's population will rise to 9.1 billion, which would require a **doubling of current milk production volumes to feed the planet\*\***. DeLaval AMR™ offers a new way for large-scale farms to produce more milk at less cost while keeping operations sustainable.

Profitability

AMR™ adds value to your entire business

Flexibility

Farm management

## Winning in a changing world

Your challenge is to make sure that all resources add value to the business. Hiring reliable staff and holding on to them is getting increasingly complex and costly. With AMR, the farm becomes a much more attractive place for people to work.

## More flexibility

DeLaval AMR™ represents the next step of automation for large herd dairy farming. It provides the needed flexibility that larger farms require to milk cows several times per day at a very cost efficient level.

## Full focus on farm management

Beyond helping reduce manual milking labour dependency, DeLaval AMR™ optimises the whole farm management approach.

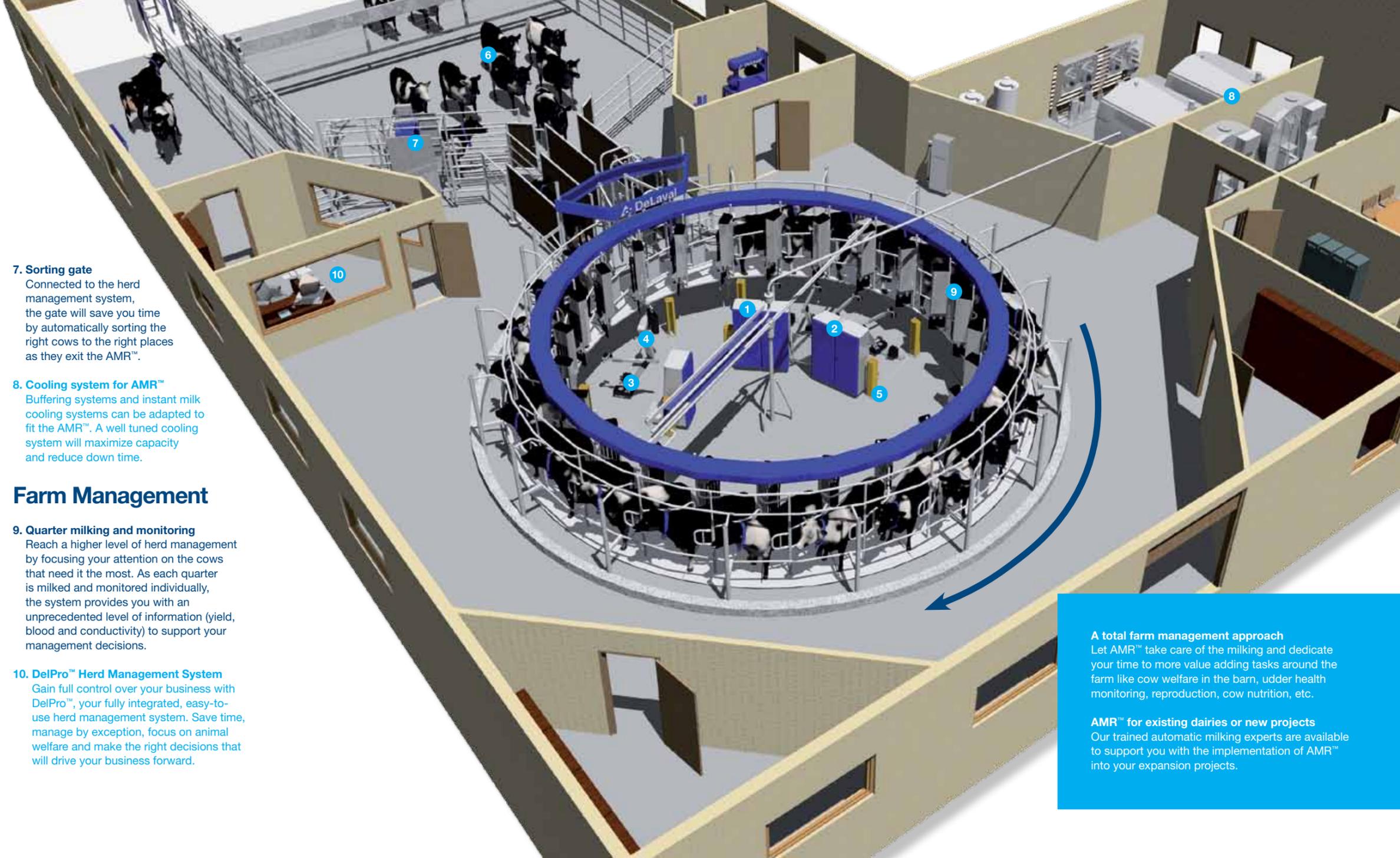
A stronger focus can be applied to cow welfare and high value adding tasks as you drive your business forward in a sustainable way.

# What is different with AMR™?

## Unique features

- 1. Teat preparation robots**  
Two teat preparation robots clean and stimulate teats to preserve milk quality and ensure fast and effective milking.
- 2. Cup attachment robots**  
Two cup attachment robots ensure that individual teat cups are safely and efficiently attached.
- 3. Teat spray robot**  
The teat spray robot precisely applies a small amount of teat sanitizer to each teat before the cow leaves the system.
- 4. Cup backflush**  
All teat cups are automatically rinsed, both inside and outside between each milking, thus providing a high level of hygiene in the system.
- 5. Safety**  
Implementation of safety features for cows and users with platform safety breaker sensors, emergency push buttons, inside wire and special light beams that, if triggered, will shut down the robotic arms.
- 6. Milking Frequency**  
Gain more performance out of each group of cows by adjusting the milking interval frequency to their lactation stage.
- 7. Sorting gate**  
Connected to the herd management system, the gate will save you time by automatically sorting the right cows to the right places as they exit the AMR™.
- 8. Cooling system for AMR™**  
Buffering systems and instant milk cooling systems can be adapted to fit the AMR™. A well tuned cooling system will maximize capacity and reduce down time.
- 9. Quarter milking and monitoring**  
Reach a higher level of herd management by focusing your attention on the cows that need it the most. As each quarter is milked and monitored individually, the system provides you with an unprecedented level of information (yield, blood and conductivity) to support your management decisions.
- 10. DelPro™ Herd Management System**  
Gain full control over your business with DelPro™, your fully integrated, easy-to-use herd management system. Save time, manage by exception, focus on animal welfare and make the right decisions that will drive your business forward.

## More flexibility and performance



## A total farm management approach

Let AMR™ take care of the milking and dedicate your time to more value adding tasks around the farm like cow welfare in the barn, udder health monitoring, reproduction, cow nutrition, etc.

## AMR™ for existing dairies or new projects

Our trained automatic milking experts are available to support you with the implementation of AMR™ into your expansion projects.

\*\* United Nations Population Division, 2006 Revision (www.unpopulation.org) ... milk production increase based on the current forecasted annual growth of -2% milk volume (kg).