DataFlow™ II makes the work flow

Experience seamless dairy operations with **DataFlow™ II**

DataFlow™ II   MERCK Animal Health

DataFlow™ II
advanced monitoring and automation for large dairy farms

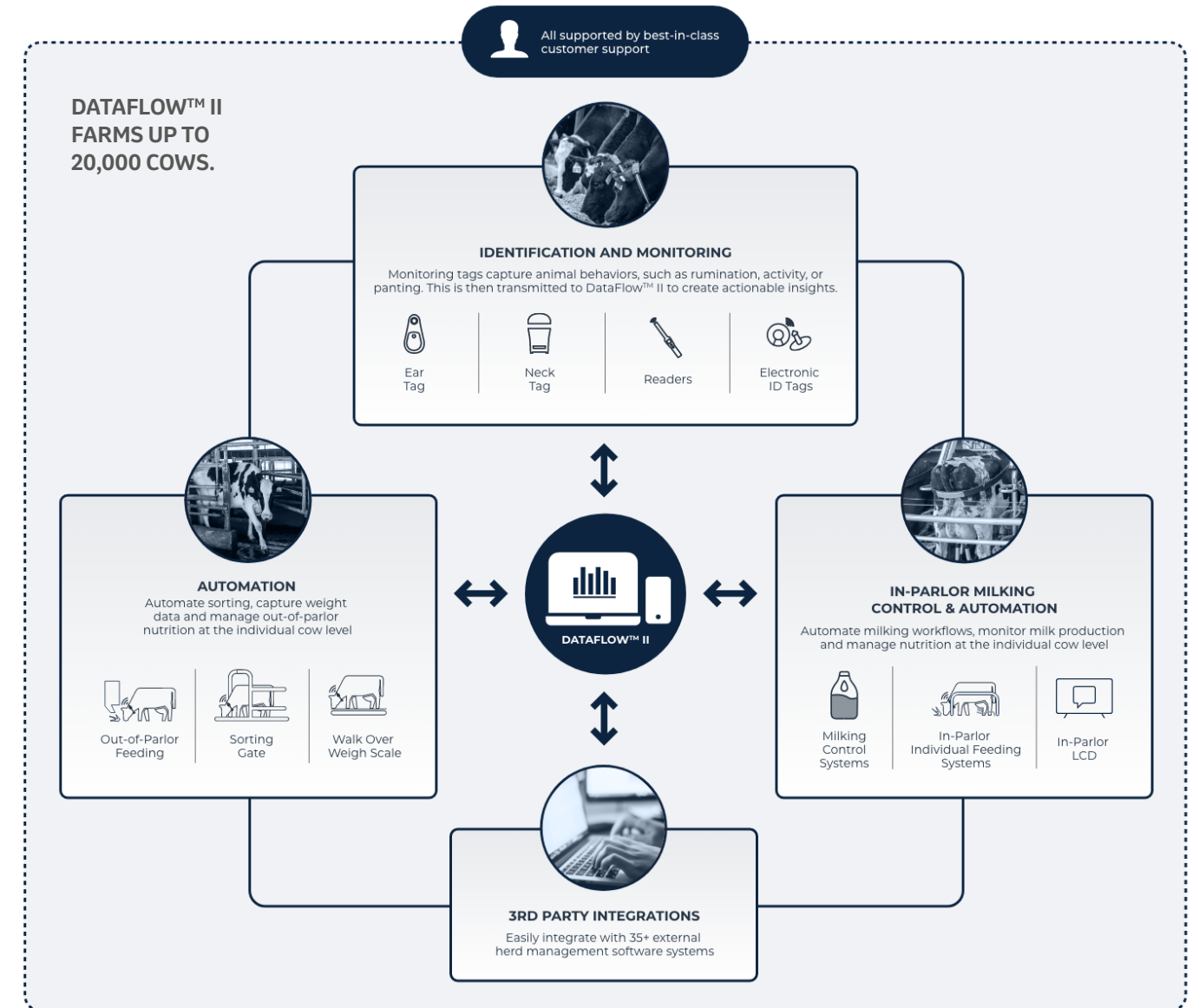## Better efficiency and productivity starts with a deeper connection to your animals

Make work flow more freely with a flexible ecosystem of livestock monitoring, milking control and automation solutions, designed to meet the unique needs of large dairy operations. DataFlow II™ will reveal new insights, and new opportunities to advance the efficiency, productivity and profitability of your dairy farm.

DataFlow™ II tracks a range of critical markers to deliver a single, centralized source of unparalleled insight into your herd. State-of-the-art capabilities can be customized to create a comprehensive picture of animal status across the production cycle, enabling more targeted and timely interventions to improve reproduction, health, nutrition and wellbeing.

- **Create a single source of unparalleled herd insight for you and your team**
- **Easily customize reporting to pinpoint intervention opportunities**
- **Improved reproduction and productivity through more accurate heat detection**

- **Take decisive action to enhance animal health**
- **Advance herd-wide nutrition and wellbeing with group level insights**
- **Optomize workflow efficiency through automated milking control, sorting, feeding and weighing**

The DataFlow™ II Monitoring Ecosystem

All supported by best-in-class customer support

DATAFLOW™ II FARMS UP TO 20,000 COWS.

IDENTIFICATION AND MONITORING
Monitoring tags capture animal behaviors, such as rumination, activity, or panting. This is then transmitted to DataFlow™ II to create actionable insights.

Ear Tag | Neck Tag | Readers | Electronic ID Tags

AUTOMATION
Automate sorting, capture weight data and manage out-of-parlor nutrition at the individual cow level

Out-of-Parlor Feeding | Sorting Gate | Walk Over Weigh Scale

DATAFLOW™ II

IN-PARLOR MILKING CONTROL & AUTOMATION
Automate milking workflows, monitor milk production and manage nutrition at the individual cow level

Milking Control Systems | In-Parlor Individual Feeding Systems | In-Parlor LCD

3RD PARTY INTEGRATIONS
Easily integrate with 35+ external herd management software systems

A flexible monitoring solution for large farms and herds, including advanced automation options

FLEXIBLE APPLICATION PLAN LEVELS	Starter	Advanced	Premium
Reproduction			
Health Management			
Group Nutrition, Health and Wellbeing			

- **Choose from different hardware and plan options according to farm size and production goals**
- **Assemble different combinations on the same farm to get the right mix for your needs**
- **Adjust your solution in time with changing animal populations and monitoring requirements**

Streamline herd management by effortlessly connecting teams and tasks

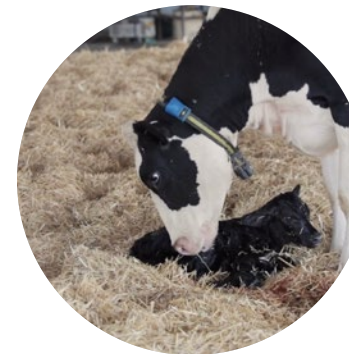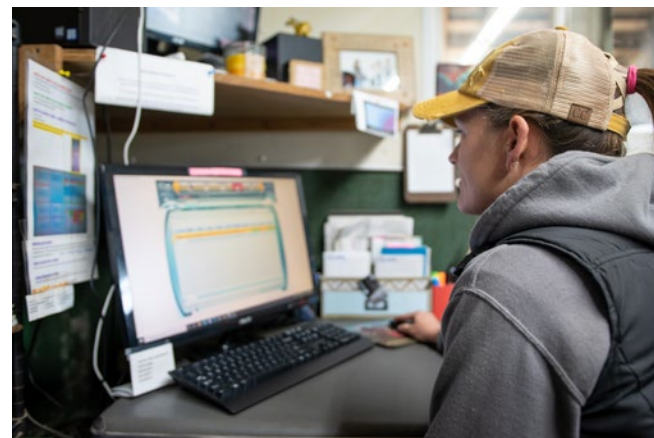## View essential intelligence and manage events in real-time

DataFlow™ II creates a single source of truth for your entire team. Gain instant access to current herd intelligence and make fast informed decisions on the go. Reporting and animal sorting at the touch of a button ensures key events can be managed more accurately.

Combine multiple data points to enhance herd management

Integrate a range of other data points to better support daily operations. Create new protocols, report and edit individual and group events, and capture essential herd information to facilitate more seamless and effective herd management.

Focus your resources at the touch of a button

DataFlow™ II delivers more actionable insights through customized reporting. Segment specific populations and perform custom calculations in real-time to target the animals and tasks that matter most to your efficiency and productivity.

Better production, reproduction, health, nutrition and parlour work flows with DataFlow™ II

Increase fertility and productivity through accurate heat detection

Real-time, actionable insights into the reproductive status of every cow eliminate guesswork and inconsistency to optimize conception rates, reduce skilled labor requirements and save valuable time. With accurate heat detection and precise insemination guidance you can reduce calving intervals, improve animal productivity, and advance herd genetics.

Enhance animal health through more timely interventions

DataFlow™ II's health monitoring applications alert for animals that may need extra attention before disease becomes visible. With vital insight into cows' health status, including during high-risk times such as post-calving, you can make decisive decisions to help avoid physical deterioration, potentially reduce treatment costs, and lower the mortality rate.

Advance herd-wide nutrition and wellbeing with group-level insights

DataFlow™ II's group monitoring applications help you understand health, comfort, nutrition, heat stress and other essential information. Group data informs the response to immediate issues, and guides longer-term planning to improve herd-wide nutrition, wellbeing, and productivity.

- **Quickly see how cows react to ration changes, and visualize long-term trends to make more informed nutrition decisions**
- **Understand the effects of environmental factors such as extreme weather and overpopulation, as well as changes to grouping, equipment and staffing**

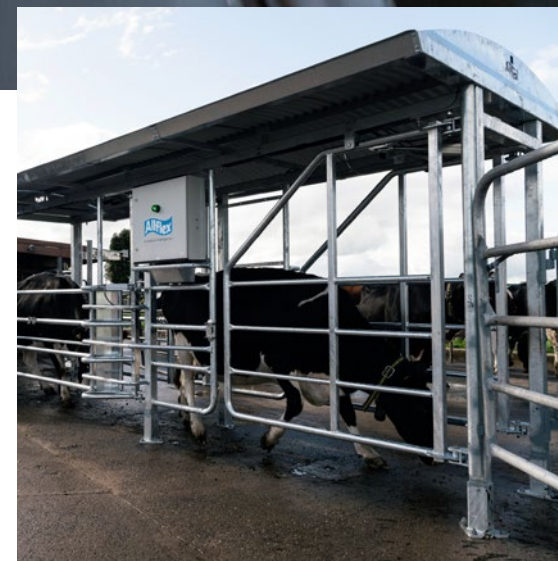# Smart milking and process automation make daily operations seamless

DataFlow™ II customers can leverage a powerful array of data-driven milking control and automation solutions to improve the efficiency and accuracy of key workflows based on every animal's unique status.

IMPROVE COW COMFORT AND PRODUCTIVITY
Milking Control Systems

Modular systems fit all parlor types and deliver state-of-the-art milking control, ease of use, and long-lasting reliability. Including Advanced Pulasation and Automatic Cup Removal, they adapt to each cow's individual needs to optomize milking.

STREAMLINE ANIMAL HANDLING
Sorting Gate

Take the time and risk out of manual sorting to improve wellbeing for your herd and your team. Sort cows automatically from preconfigured lists or manage in the moment to limit cow lock-up times and reduce unnecessary interactions.
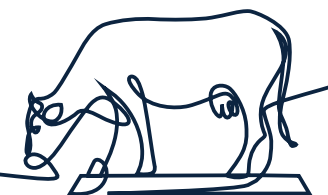
OPTIMIZE NUTRITION
Individual Feeding Systems

Fine-tune each cow's intake and balance feed distribution to improve transitions and productivity using In- and Out-of Parlor Individual Feeding Systems

IMPROVE FEED PLANNING
Walkover Scale

Automatically weigh cows quickly and safely to capture essential performance data. With easy access to comprehensive weight information, you can efficiently plan feed selections and improve nutrition control.

Expert help is always on hand
to keep the work flowing

**Get more from DataFlow™ II
with dedicated teams and tools**

DataFlow™ II provides multiple points of support, from self-guided tools to dedicated technical assistance, to resolve issues fast and ensure you get the maximum value from your investment.

We know there's no substitute for a friendly face who's invested in your success. Our global network of local teams work with you to ensure the success of your monitoring system, from seamless installation to ongoing technical support.

For everyday queries on how to use your monitoring software, DataFlow™ II provides timely, practical in-platform information. Integrated tooltips and walkthroughs explain key features and help you uncover the insights that matter most to you.

"Catching a cow that's off feed a day earlier is a dramatic difference. With the speed at which you intervene with a health problem or a reproduction issue, the system is going to pay for itself."

BAILIE FARMS, LIVINGSTONE WI

MERCK
Animal Health