

PREMIX SOLUTION CASE STUDY

THE PRIMARY PROBLEM:

INFLEXIBILITY

“When we wanted to change a premix we had to go through so many steps to do this. First, we had to go to the manufacturer and negotiate the contents of the premix, then we had to negotiate a new price for the premix and this whole process took a period of about 2-3 months before we got the product on the doorstep.”

HIGH FEED COST

“Another reason we started looking to make our own premixes on farm was the cost. We researched and found out how much the individual commodities cost to make the premix, and it made sense for us to buy them ourselves. The difference in cost is tremendous and the entire system, including the building, paid for itself in 4 months.”

WHY EAI?

OVERVIEW

- + Cost efficient
- + Space efficient
- + Ease-of-use
- + Accessible customer service
- + Customizable solution

“We looked at quite a few different companies and the Easy Automation system and total solution were very appealing to us. One reason being that the EAI system is horizontal, not vertical like most of the others we had seen. Vertical systems add considerable cost to the building part of the project. The EAI system was also a nice compact solution while being cost efficient.

CUSTOMER BIO:



Name: Andrew Oddy - Herd Director

Company: Alsafi Danone

Location: Saudi Arabia

With more than 20,500 milking cows, and a total of 58,000 head of cattle, they produce 830,000 liters of milk per day. Alsafi Danone had earned the title of “World’s Largest Integrated Dairy” from the Guinness Book of World Records.

INSTALLATION

“The installation went very well. One thing we really liked about EAI was that they’re very accessible. If we have a problem or when we were doing the installation work, it was very easy to reach their people to talk us through any problems that we had.”

“The total solution was 100% exactly what we wanted and needed. From this update we have seen tremendous benefits; financially and in herd health and fertility.”

THE SOLUTION:

Andrew came to EAI with rations and ingredients that he wanted to work with, the amount of hours he wanted to run, and how many times he wanted to fill up individual bins. From there, we calculated out the number of micro totes and ingredients that needed to be added and designed the following system.

SOLUTION: OVERVIEW

We designed a modular premix system to allow him to blend his desired premixes and automatically transfer them to holding bins at the main plant.

This included:

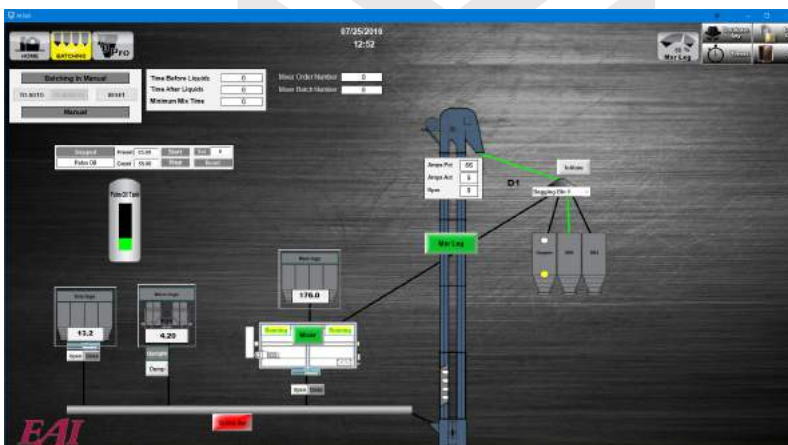
EQUIPMENT

- + 24 Bin SS Micro System
- + Mixer (doubles as scale platform)
- + Drag Conveyors
- + Tote Unloaders and Scale
- + Elevators
- + Holding Bin

CONTROLS

Control System - start to finish

- + Feed Batch Pro
 - Patented Free Fall technology
 - Reporting
 - Record Keeping
- + Motor Starter Panels prewired and mounted
- + Control Panels



To allow for ease of installation, we mounted these on 3 skid based systems and prewired each skid to minimize the amount of on-site work.

To further assist in accuracy of record keeping blend, the micro was outfitted with individual scales on each bin for inventory purposes, as well as locking lids that would unlock at the correct barcode being scanned.

MICRO SYSTEM W/ LOCKING LIDS

