

A photograph of a modern building with a large glass facade on the left and a light-colored concrete wall on the right. The building features a large, 3D green logo for 'PROTENERGY' with a leaf icon in the letter 'O', and 'Natural Foods Corporation' written below it in a smaller green font. The sky is clear blue.

EGAN

# CASE STUDY

PRODUCTION RESULTS BOARD										
LINE:		UPTIME #:		SUPERVISOR ON DUTY:		PROTENERGY				
DATE:		MATERIAL LOSS #:								
CURRENT SHIFT	OUTPUT			MATERIAL LOSS			REASONS FOR VARIANCE / ACTIONS TAKEN			
	CAPACITY (EMTS)	ACTUAL (EMTS)	ATTAINMENT (%)	SCOURTIME (MIN)	WASTE (EMTS)	VARIANCE (EMTS)				
+ 1 HOUR										
+ 2 HOURS										
+ 3 HOURS										
+ 4 HOURS										
+ 5 HOURS										
+ 6 HOURS										
+ 7 HOURS										
+ 8 HOURS										
CUMULATIVE										
LAST 24 HOURS	OUTPUT			MATERIAL LOSS			OPV CHANGE-OVER	STANDARD (MIN)	ACTUAL (MIN)	REASONS FOR VARIANCE / ACTIONS TAKEN
	CAPACITY (EMTS)	ACTUAL (EMTS)	ATTAINMENT (%)	SCOURTIME (MIN)	WASTE (EMTS)	VARIANCE (EMTS)				
DAY										
AFTERNOON										
NIGHT										

Customer-tailored EganINK art.



*It became very apparent the best way to...(inform plant staff of important performance indicators)...was to have a dry-erase board put together to mimic the daily execution reports, capturing 24 hours of information, and utilize color coding to get a quick visual on performance.*



- Peter Ayres, Plant Manager

### The Project

Since 2000, Protenergy Natural Foods Corp. has been a fully integrated manufacturer of natural food and beverage products. The Protenergy management team was tasked with looking for opportunities to enhance profitability by building a good set of tools for managers to operate as lean and efficiently as possible. Protenergy entrusted Carpédia, an implementation-based management consulting firm, to evaluate onsite procedures, streamline efficiencies and enhance communication and overall performance.

### The Challenge

With continued growth projected for the upcoming years, managers at Protenergy recognized a need to gain better control of their processes at the point of execution. Production supervisors were generally aware that they were having a 'good' or 'bad' day, but were tasked with tracking results hourly. While the production supervisors increased their knowledge of the hourly results, the operators and management were not able to see the results.

### The Solution

Carpédia has worked with the Egan Custom Response Program for other projects and knew this was the fit for Protenergy. Egan quickly created custom Markerboards with EganINK, a unique ink system that provides custom printing on proprietary Egan Versa Surface (EVST™).

"Egan was presented as an option by Carpédia. Based on their feedback, and after seeing some samples, the decision was very easy."

Immediately boards were specified with Egan. The board had to be robust, professional in appearance, and tailored to the specification of their 'vis board' requirements. Working with

designers at Egan, Carpédia and Protenergy selected an Egan Aluminum Frame Markerboard with EVST™ surface, model MES 36" x 48". This board was selected for its strong construction, clean professional appearance, the guaranteed-to-clean writing surface and the EganINK custom print option. The boards were manufactured including the custom graphics and installed on the walls near the production equipment.

Plant supervisors began recording hourly production results, and noting unfavorable variances in red, with favorable variances in green. Reasons were noted in large letters to increase the visibility on the actions taken to address these variances.

"Even more the end result has proven to be very positive as the boards have had a positive influence."



**EganINK is an innovative ink system that provides high resolution multicolored application of letters, lines, and graphics. EganINK is ideal for branded markerboards for healthcare, business and educational applications. The potential for premium and incentive product opportunities is limited only by your imagination. VersaSurfaces and EganINK will not be damaged by normal dry-erase marker use and are guaranteed-to-clean.**