

## SUCCESS STORY

Beer clarification at  
Florida Beer Company,  
Cape Canaveral, Florida, USA



### SEPARATION

# NEXT LEVEL BEER BREWING

INCREASED PRODUCTION EFFICIENCY  
AND IMPROVED FLAVOUR PROFILE



**FLORIDA BEER  
COMPANY**



**ANDRITZ**

ENGINEERED SUCCESS

# The challenge

## Simplify filtration system and improve performance

Every drop of beer counts, as do its quality and consistency, and at the Florida Beer Company, they know this very well.

The Florida Beer Company, established in 2003, extended its activities in 2011 when various small companies were consolidated to form one single organization in Cape Canaveral, Florida. After consolidation in the new plant, the company started innovating and thinking about a new technological solution for filtration. Until then, they had used DE (diatomaceous earth) filtration and thus experienced

high costs for cleaning operations and filtration waste disposal. This process was generally complex and not very satisfactory from the performance point of view.

The challenge for the Florida Beer Company was to simplify the filtration system while maintaining or even improving performance. The ideal solution would be innovative separation technology, flexible and easy to operate, and technology that would increase yields and reduce operating costs while maintaining or even improving the quality of the beer produced.



Beer clarifier skid at Florida Beer Company production facility

# Our solution

## A flexible and compact clarification skid

Taking all their needs into account, we proposed a comprehensive and customized solution to Florida Beer: a clarification skid configured to fit perfectly into the existing facilities.

The skid comprises two units. One for the clarifier and one for pumps, valves, and instrumentation. The clarifier, model CA 201 V, is equipped with KO<sup>2</sup> knock out oxygen – the hydro hermetic device designed by ANDRITZ to minimize oxygen pick-up in the processed beer.

The beer clarifier skid is integrated into a fully automatic CIP (cleaning in place) system so there is no need to disassemble the equipment to keep it clean. In addition, the color touch panel with graphic visualization of the clarification process makes the skid very easy to handle by any operator.

As a very flexible system, the beer clarifier skid is compact in size, easy to install, and quick to start up. Florida Beer needed only 24 hours to get the machine running and three days to generate finished product.

---

## Results

### Beer quality and yield at their best

Thanks to the beer clarifier skid from ANDRITZ, the Florida Beer Company was able to improve performance far beyond their expectations. Compared to their previous filtration system, they could achieve a 6% higher yield and improve the flavor profile of the beer, which is now full-bodied and very tasty. In terms of processing times it would take 9 hours to process one fermentation tank from start to finish with the DE filtration system, however the same tank can now be processed in around 105 minutes with the beer clarifier skid, which is a 500% increase in performance. With our beer clarifier skid, Florida Beer

achieved a 20% reduction in labor costs, they eliminated filters, and reduced the waste to be disposed of. That not only means cost savings, but also an environmentally friendly process. Furthermore, the noise level was reduced compared to DE filtration and vibration was eliminated. A longer shelf life was also obtained for bottled product as a result of the minimized oxygen pick-up. A true customer orientation and a full understanding by ANDRITZ of the processes involved led to the right solution to take Florida Beer's business to the next level.

**“We are absolutely satisfied with our new beer clarifier skid. ANDRITZ really helped us in making our business grow, and I would recommend it to all breweries that are looking for greater success.”**

**LUKE ERDODY**

Director of brewing operations, Florida Beer Company



## WHAT'S YOUR SEPARATION CHALLENGE?

ANDRITZ Separation is the world's leading separation specialist with the broadest technology portfolio and more than 2,000 specialists in 40 countries. For more than 150 years, we have been a driving force in the evolution of separation solutions and services for industries ranging from environment to food, chemicals, and mining & minerals. As the OEM for many of the world's leading brands, we have the solutions and services to transform your business to meet tomorrow's changing demands – wherever you are and whatever your separation challenge. **Ask your separation specialist!**

### AFRICA

ANDRITZ Delkor (Pty) Ltd.  
p: +27 11 012 7300  
separation.za@andritz.com

### EUROPE

ANDRITZ Frautech S.r.l.  
p: +39 0445 57 5695  
separation.it@andritz.com

### ASIA

ANDRITZ Singapore Pte. Ltd.  
p: +65 6512 1800  
separation.sg@andritz.com

### NORTH AMERICA

ANDRITZ Separation Inc.  
p: +1 817 465 5611  
separation.us@andritz.com

### AUSTRALIA

ANDRITZ Pty. Ltd.  
p: +61 3 8773 4888  
separation.au@andritz.com

### SOUTH AMERICA

ANDRITZ Separation Ltda.  
p: +55 47 3387 9100  
separation.bra@andritz.com

### CHINA

ANDRITZ (China) Ltd.  
p: +86 757 8258 6802  
separation.cn@andritz.com

**ANDRITZ.COM/SEPARATION**



All data, information, statements, photographs, and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2018. All rights reserved. No part of this copyrighted work may be reproduced, modified, or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria. Story Florida Beer 2.0/02.2019 EN