

A good start in times of uncertainty



My first words go out to the Ukrainian people who are fighting for our European values, our way of life and our freedom. If their sacrifice is in vain and the law of the jungle returns in which the strongest imposes his power against the will of others, everything will be jeopardized, including the purpose of this newsletter.

The first quarter of 2022 started with a lot of traction motivated by customers from different areas, eager to restart projects that had been stalled for a long time. Businesses want to return to normalcy, but there is a lot of uncertainty regarding the full impact of the war.

[Heidelberg Cement](#), to whom ACS has supplied cyclones in the past for an energy recovery project in Hungary, selected ACS for a feasibility engineering study on the dedusting of the clinker cooling and preheater lines at Braine-l'Alleud cement plant in Belgium. Future supply will include compact, low pressure drop cyclones placed before the final stage bag filters. In Portugal, **Casa Alta**, an olive oil manufacturer, repeated an order for AT type cyclones as final stage dedusters after two rotary dryers, to replace the old cyclones, following the success of a previous installation. Also in Portugal, our client [Nutrofertil](#) - a company dedicated to the production of fertilizers - entrusted ACS to provide RE type high efficiency cyclones to keep dry fertilizer emissions below the legal emission limit.

The biomass combustion area also gained momentum with interesting projects, among which two important orders from Brazilian partner company [Biocal](#), one for a 26t/h rice husk boiler and another one for a 70t/h combustion plant.

In the **powder recovery** application, our long-standing partnership with [Hovione](#) remains very fruitful for both parties. This quarter we are again very honored to help the company improve the collection of [active pharmaceutical ingredients](#) by supplying two Hurricane HR cyclones for new Spray Dryers. Likewise, for food ingredients, ACS has started to cooperate more intensely with [Pulsedry](#) aiming to improve spray drying processes and we are starting our first project for [Kerry](#) - a global leader in the development of flavour and nutrition solutions. The main objective is to reduce waste, improve dust collection and increase the overall efficiency of the plant.

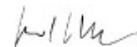
We hope that these success stories will make our technology known to more companies and entities. By the end of May we will be exhibiting at [IFAT](#) - the world's

leading trade fair for environmental technologies and we can meet you there!

But most importantly, let us hope that peace in Europe quickly returns and that normalcy prevails.



Pedro Ribas Araújo CEO



Ongoing Projects

HEIDELBERGCEMENT

HeidelbergCement ordered a feasibility study for the supply of two separators to replace an existing gravel filter and two ESP's.

HEIDELBERGCEMENT | Braine-l'Alleud, Belgium | 2022



CASA ALTA repeated and order for a final stage deduster (2 x ø2500mm) to reduce their particulate matter emissions from the olive pomace dryer exhaust.

CASA ALTA | Ferreira do Alentejo, Portugal | 2022



Nutrofertil ordered a **Hurricane cyclone system (8RE x ø1000)** for particle separation of organic fertilizer, in the exhaust of a rotary dryer.

NUTROFERTIL | Tondela, Portugal | 2022



BioCAL ordered **two optimized Hurricane AT** cyclone systems to reduce the particulate from wood chips combustion boilers.

Hurricane HR (24HRbH x ø1100mm)

Hurricane HR (16HRbH x ø1150mm)

[BIOCAL | Brasil | 2022](#)



One of our most loyal clients has come to ACS once again for our high efficiency systems used for pharmaceutical ingredients captured in spray drying.

2 x Hurricane HR cyclone system (1HR x ø530)

[HOVIONE | Lisboa, Portugal | 2021](#)



PULSE DRY ordered **two Hurricane cyclone systems** (1HR x ø375mm + 1MK x ø650mm) optimized for food powder recovery in a spray drying demo plant.

[PULSE DRY | Payson, United States | 2022](#)



Hurricane HR cyclone system (1HRbH x ø925mm) optimized to increase flavour powder recovery in a spray drying process.

[KERRY | Mozzo, Italy | 2022](#)



SOUTHWEST RESEARCH INSTITUTE

Hurricane KX cyclone system (1KX x ø600mm) designed for flue gas particulate separation in a high temperature, high pressure application in a 5 MWth coal oxy-combustion pilot plant.

[SOUTHWEST RESEARCH INSTITUTE | Texas, United States | 2022](#)

UPCOMING EXHIBITIONS IN 2022

IFAT

Munich

May 30 – June 3
Hall A4 | Stand 121

VISIT US AT **HALL A4 - STAND 121**

22 - 26 August 2022
Frankfurt am Main

ACHEMA
INSPIRING
SUSTAINABLE
CONNECTIONS



VISIT US AT **HALL 12.0 - STAND D39**



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TO KNOW.
SOLUTIONS
TO GO.**

27 – 29.9.2022
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VISIT US AT **HALL 3A - STAND 307**
