



Projects are returning in these pandemic times

As for many companies, 2020 has been a particular year for ACS, though the impact of the pandemic has shown to be different among geographies and, particularly, business areas.

Regarding ongoing projects whose installation and commissioning works were about to start in the first quarter, some important ones were postponed due to local imposed restrictions due to the coronavirus. That was especially the case in France and Argentina.

However, most projects in our pipeline for delivery have not suffered major delays given that ACS three main fabrication partners in Portugal, Brazil and Malaysia have kept their workshops running the whole time. We appreciate all their efforts to overcome these difficult times.

Concerning new orders, the year started with a lot of traction in January and February, followed by two very bad months where uncertainty settled among clients. In April we already felt many enquiries returning to our e-mails, especially from North America and from the UK. Food and pharmaceutical applications came first. Energy related projects followed immediately after. In June activity went almost back to normal.

Despite the drawbacks, we have been involved in many interesting projects. Our partner [Basuki](#) in **Indonesia** ordered four end-stage systems for boiler plants with several types of fuel, including coal, castor cake, palm shell and rice husk. Biomass combustion was also the driving force in **France** for company **Burguet** where ACS hurricane HR cyclones will enable the use of a bag filter to comply with very strict emission limits. A similar project is being fulfilled by ACS and partner company [Norbidel](#) in **Portugal**.

The best geography for this application has been **Canada**, following great results in past projects with our partner [Ecotherma](#). The first system to be installed was in [Clermond Hamel sawmill](#) where our hurricane RE cyclones have exempted an ESP to comply with local emission limits for a wood chip boiler. Next we got a second order for existing client [Fontaine Lumber](#) and a new order for company **LaFontaine Lumber** for a new [KMW](#) boiler. More recently, a fourth project in **Canada** was secured for company [Cedrico Lumber](#) in **Quebec** where our target is to lower emissions of an existing [Vyncke](#) boiler.

Still in biomass and in the drying application, we see a very active market in North America, particularly in the **US** with many enquiries we are studying in detail. Nevertheless, our first project in 2020 has been for company [Bedmax-Shavings](#) in the **UK** where ACS is guaranteeing emissions of 50mg/Nm³ after a rotary dryer with our hurricane AT cyclones.

In the **Waste to Energy** area, we are working together with company [WTEnergy](#) for high temperature high efficiency cyclones for a meat and bones gasification plant.

In the **product recovery** area, we are also involved in several projects. In the fertilizer business, [Nutrien](#), the leading company in the manufacturing of potash trusted ACS to supply a hurricane RE cyclone system to reduce emissions after a fluid bed dryer. This will be the first of a series of projects aiming to eliminate ESPs in several operating plants.

The first half of 2020 has also been quite active in the pharmaceutical area,

especially for company [Hovione](#) for whom ACS supplied multiple high efficiency cyclones to enhance the capture of fine pharmaceutical powder. We are also very pleased to be supplying a second system for [Merck US](#), following a very successful first project.

As a final note, we proudly announce that ACS high efficiency cyclones were the chosen technology for the collection of a pharmaceutical component to incorporate in a **Covid-19 antiviral drug**. The manufacturing process, which is led by one of ACS European clients, includes Spray Drying and ACS Hurricane cyclones for maximum efficiency on powder collection.



Pedro Ribas Araújo CEO

A handwritten signature in black ink, appearing to read 'Pedro Ribas'.

Projects



[Read all about our latest case study.](#)

Hurricane SD cyclone system (2 x Ø4000mm) to pre-separate particulate emissions from a biomass boiler burning wood chips (422 121m³/h at 156°C).

Valmet | Figueira da Foz, Portugal | 2019



Hurricane HR cyclone system (1 x Ø150mm) for product recovery of api's after a spray dryer (95m³/h at 85°C).

[Merck | New Jersey, USA | 2020](#)



Your reliable source of quality lumber

Hurricane MK cyclone system (4 MK x Ø1000mm) optimized to reduce particulate matter from a biomass boiler (14 160m³/h at 237°C).

[Fontaine Lumber | Quebec, CANADA | 2020](#)

BASUKI

This year alone our partner in Indonesia has sold 4 cyclone systems.

1 HR_SD Ø1700mm + 1 6HR_MK cyclones Ø1050mm
1 HR_SD Ø2200mm + 24 HR_EX Ø1000mm
2 HR_bH Ø1500mm + 16 HR_MK Ø900mm
8 HR_MK Ø800mm

[Basuki | Indonesia | 2020](#)



Hurricane AT cyclone system (8 x Ø950mm) to reduce particulate matter emissions from wood shavings dryer, downstream existing process cyclone. (57 090m³/h at 95°C).



Hurricane HR cyclone system (4HRbh x Ø850mm) downstream bag filter, to reduce particulate matter of 3.9MW boiler smoke gas biomass steam (wood) (18 105m³/h at 166°C).

Burgnet Ets | Montignac-le-Coq, France | 2020



Hurricane AT cyclone system (1 x Ø1300mm) to reduce particulate matter emissions from meat and bone gasification plant – combustion (18 190m³/h at 560°C).

WtEnergy | Switzerland | 2020



Hurricane RE cyclone system (32 x Ø1000mm) to reduce potash emissions in the pgr line at the rockanville plant (55 313Nm³/h at 155°C).

Nutrien | Rocanville, Canada | 2020



Hurricane MK cyclone system (12 x Ø850mm) optimized to reduce particulate matter from a biomass boiler operating without a multicyclone (22 000m³/h at 280°C).

Cedrico | Québec, Canada | 2020



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