2019 - A YEAR OF SUCCESFULL PROJECTS FOR ACS!

2019 has been a year to create new partnerships to distribute ACS products, mainly in the biomass combustion area, but also to consolidate important ongoing projects, ensuring the delivery of good results. These success stories have opened new markets and will help ACS pursue future growth.

In Brazil, following successful emission tests in a first installation, ACS just delivered two Hurricane HR systems to be soon assembled downstream of two Dan Power 100ton/h, 67barg, steam boilers for a Corn Ethanol production facility in the Mato Grosso region (final client: FS Bioenergia).

Together with ICAVI boilers another HR separator is being installed at SSB Energia Renovável facilities in Limeira, Brazil (pictured below). The company operates biomass power plants for steam production and supply to end customers such as CPKelco.

For IMTAB, another boiler manufacturer in Santa Catarina, Brazil, ACS secured a first order for a Hurricane HR system aiming to reduce emissions of a small size thermal oil heater under 130mg/Nm$^3$.

ACS also initiated a first project in Lithuania, establishing a partnership with Newheat, a company operating in the energy sector and supplying small scale biomass plants. The chosen system – a Hurricane MK – will reduce emissions from a 1MW$_{th}$ wood chip boiler under 50mg/Nm$^3$ at 6% O$_2$, complying with the European Medium Combustion Plant directive.

In Portugal, several larger projects delivered very good results. Back in April, a Hurricane SD pre-separator system successfully replaced a Multicyclone in Terras de Santa Maria Biomass Power Plant, thereby decreasing maintenance costs and pressure drop to less than 50%. More recently, two SD Ø4000mm cyclones with inner lining were inspected after 4 months of operation at CELBI. The cyclones, aiming to reduce particulate concentration of VALMET’s 109MW$_{th}$ BFB boiler, are standing up very well to the heavy aggressiveness of the fly ash and exceeding expectations of performance.
ACS is gathering increased know-how on heavy duty / large flowrate pre-separation, being able to supply cyclone systems for applications such as boilers, incinerators and gasifiers, delivering tailor-made solutions for specific objectives that go from sparks reduction before bag houses to increasing the global efficiency of RDF plants by reducing the amount of generated hazardous waste in Bag Filters.

These very good results just generated another Hurricane SD order from our partner Windsor Engineering in the scope of an emissions control project for Fonterra in New Zealand!

Pedro Ribas Araújo CEO

Projects

Hurricane RX cyclone system (32 x Ø1050mm) to reduce particulate emissions from a biomass boiler burning wood chips (188,861 m³/h at 153°C).

SSB | Brazil | 2019
2 x Hurricane HR cyclone system (40 x Ø1150mm) to reduce particulate emissions from 2 biomass boiler burning wood chips (295 035m³/h at 170ºC).

FS Bioenergia / Dan Power | Brazil | 2019

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

Valmet | Figueira da Foz, Portugal | 2019
Hurricane SD cyclone system (3 x Ø1750mm) to reduce particulate matter from the combustion of wood pellets or coal in a boiler (126 687m³/h at 183°C).

Fonterra / Windsor Engineering | Te Awamutu, New Zeland | 2019

Hurricane EX cyclone system (32 x Ø1000mm) to reduce particulate matter from coffee waste boiler flue gases (86 000m³/h at 200°C).

Basuki | Indonesia | 2019

Hurricane RE cyclone system (1 x Ø400mm) made in hard steel 400 brinell for de-dusting of silo displaced air (350m³/h at 60°C).

Pro OP Industries | Durban, South Africa | 2019

2 x Hurricane HR cyclone system (4 x Ø800mm) to reduce particulate emissions from 2 biomass boiler burning wood chips (14 500Nm³/h at 250°C).

Imtab | São Paulo, Brasil | 2019

Hurricane MK cyclone system (6 x Ø650mm) to reduce particulate emissions from a biomass boiler burning wood chips (3 898m³/h at 180°C).

Newheat | Lithuania | 2019
**Hurricane AT** cyclone system (1 x Ø550mm) to reduce particulate load into bag filter from a biomass boiler burning wood chips (2 100m³/h at 47°C).

Coomtech | United Kingdom | 2019

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**Hurricane AT** cyclone system (Ø800mm) to reduce emissions from exhaust air of a wood shavings silo (4 138m³/h at 12.8°C).

Deltech | Canada | 2019

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**Exhibitions & Events**

ACS will be visiting Food Ingredients 2019 (3–5 December 2019)
ACS will be exhibiting at BOIS ENERGIE 2018 (29–30 January 2020), presenting our high efficiency cyclones systems for emission control. Ask us for invitations and schedule a meeting with one of our commercial engineers.