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WASTEANDBIO

Infrastructure Monitor

9 - 2022

Industrial biogas plant with gas treatment in Gauchy, France, by courtesy of EnviTec Biogas AG.

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1 Waste-to-Energy / MBT

1.1 WtE projects

Australia / Lithgow supports Greenspot's new WtE proposal

New plans have emerged regarding the Wallerawang Power Station, a former coal-based power plant in Lithgow, New South Wales (NSW). Greenspot, which bought the plant from Energy Australia in 2020, plans to build a 50 to 55 MWe WtE facility worth AUD 700 million at the site. The power plant is not supposed to be replaced by the WtE project, according to Greenspot, but a WtE plant would be one of several plans to be developed. In 2021, NSW issued a draft plan, limiting WtE projects to Lithgow, Goulburn, Parkes and Richmond Valley. While in September 2021, Lithgow had opposed those plans, the City now supports Greenspot's proposal. Back in early 2017, former plant owner EnergyAustralia had proposed the conversion into a 200,000 tpy RDF-fuelled plant.

03.03.2022, www.lithgowmercury.com.au

[Link to source](#)

Australia / Remondis withdraws Swanbank WtE proposal

Remondis has withdrawn the Coordinated Project Application for the AUD 400 million (EUR 264.9 million) Swanbank WtE proposal due to an advise by the Queensland State Government. A development for the Ipswich region is temporarily blocked b a Temporary Local Planning Instrument. Remondis has announced to further explore WtE projects in Queensland, possibly at other locations. The project application was accepted in 2020 and has been awaiting public its consultation process. The Coordinator General was first approached by the German company concerning the Swanbank project back in 2018,

01.03.2022, www.insidewaste.com.au

[Link to source](#)

Chile / SEA recommends Lautaro WtE proposal

Chile's Servicio de Evaluación Ambiental (SEA) has issued the Consolidated Assessment Report needed to build a WtE plant in Lautaro, Araucania. According to the source, SEA recommends the approval of the 200,000 tpy project to the members of the Evaluation Commission and they intend to vote on it before the change of government. Currently, there are protests against the project.

25.02.2022, eldiariosantiago.cl

[Link to source](#)

China / WtE project tender restarted in Quyang County

The tender for the WtE project proposed in Quyang County, Hebei Province, was restarted on 7 February 2022 and Canvest Environmental Protection Group Co Ltd has been confirmed as its developer. The project will have a treatment capacity of 700 tpd, consisting of 2x350 tpd incineration lines and a 15 MW condensing steam turbine generator set, entailing a total investment of RMB 445 million (EUR 63.8 million).

03.03.2022, www.solidwaste.com.cn

[Link to source](#)

China / WtE project phase 2 proposed in Kunming

Reportedly, the WtE project in the Kunming Airport Economic Zone in Kunming City, Yunnan Province, is now planning the second project phase. Based on the 1,000 tpd plant phase 1, the second phase will have a treatment capacity of 800 tpd, consisting of a 800 tpd grate furnace and a 20 MW steam turbine generator set, entailing a total investment of RMB 400 million (EUR 57.3 million).

28.02.2022, www.solidwaste.com.cn

[Link to source](#)

Czech Republic / Update on České Budějovice WtE proposal

The WtE heating plant in České Budějovice, Nové Vráto district, Southern Bohemia, is scheduled to go online in 2028. Recently, a public consultation has been held. The plant is to incinerate 160,000 tpy of waste and cost about CZK 3 billion (EUR 117.2 million). Additionally to the WtE heating plant, the facility will have a Biomass-to-Energy unit. Once operational, it should be active for 20 to 30 years.

22.02.2022, www.idnes.cz

[Link to source](#)

France / Tender released for 100,000 tpy WtE project

Communauté d'agglomération de Béthune-Bruay, Artois-Lys Romane, has released a tender for a 100,000 tpy household and similar waste recovery plant to be built in Labeuvrière, Hauts-de-France. The contract has a value of EUR 314 million excluding VAT and is supposed to cover, amongst others, part of the financing, construction and operations. According to the tender document, these tasks should be carried out by the future concessionaire at its own risk. The contract has a duration of 24 years and applications or receipt of tenders can be submitted until 7 June 2022.

28.02.2022, ted.europa.eu

[Link to source](#)

France / DIF acquires majority of Dombasle WtE project

An 80% stake in the Dombasle CHP project has been acquired by German investment fund DIF Capital Partners. The remaining shares were bought by Solvay and Veolia in equal parts. Dombasle Energie is located in Dombasle-sur-Meurthe, Grand Est, and expected to have a capacity of 181 MWth and 17.5 MWel. The EUR 225 million project is scheduled to be operational by the end of 2024. It will treat up to 350,000 tpy of RDF.

23.02.2022, www.dif.eu

[Link to source](#)

France / Paillé plant to be converted into WtE plant

Public waste management association Cyclad will transform the waste treatment plant in Paillé, Nouvelle Aquitaine, into an energy recovery facility. The plant currently treats around 30,000 tpy of household waste thermally and is located in the department Charente-Maritime.

19.02.2022, www.sudouest.fr

[Link to source](#)

India / Bandhwari WtE plant progress update

The Municipal Corporation of Gurgaon demands a fortnightly progress report from its solid waste management concessionaire Ecogreen regarding the WtE plant at the Bandhwari landfill site. Reportedly, Ecogreen has not yet provided such a report. However, as stated by the company, the EPC contract "will get mobilised" in April 2022 and pre-construction works are supposed to start in March or April. The 15 MW facility is currently scheduled to become operational in December 2023, as further stated by Ecogreen.

27.02.2022, timesofindia.indiatimes.com

[Link to source](#)

India / Update on Njeliyanparamba WtE proposal

The Njeliyanparamba WtE plant in Kozhikode is apparently not yet under construction. Currently, the ground is being cleared for the future facility. Niravu Waste Management is clearing legacy waste from the site. The current source does not provide any further update on the plant's time schedule. As of June 2021, however, construction works were expected to commence already in August 2021 and to be completed until September 2023.

23.02.2022, www.thehindu.com

[Link to source](#)

**New Zealand / Update on
Manawatū pyrolysis proposal**

A public consultation will be held regarding the possible implementation of a pyrolysis plant in Manawatū. This was decided by Horizons Regional Council, as further stated in the source. The proposal in Feilding by renewable energy company Bioplant would have a capacity of 1.8 MW and generate 43 MWh per day.

28.02.2022, www.rnz.co.nz

[Link to source](#)

**Philippines / 5 MW CHP
project considered in South
Cotabato**

The Regional Government of South Cotabato Province on the island of Mindanao has announced to implement infrastructure projects, including a 5 MW CHP WtE system. These should be developed through PPPs. The Provincial Government and the so-called PPP centre have signed an MoU for the development of such structures.

26.03.2022, www.msn.com

[Link to source](#)

**Poland / WtE plant
considered in Jastrzębie-
Zdrój**

A WtE plant could be built in Jastrzębie-Zdrój, Silesia. The reason for these considerations is a lack of additional space at the local landfill site and an increasing landfill tax, as further indicated in the source. However, the article does not provide further information on the WtE plans.

27.02.2022, www.nowiny.pl

[Link to source](#)

**UK / Decision on Rivenhall
WtE plant**

Essex County Council has given authorisation to continue with the construction of the WtE plant in Rivenhall, Essex. Belgium-based developer Indaver is required to build the EUR 533 million plant and put it into operations until 2026. The plant includes a CHP plant, a paper pulping and an anaerobic digestion facility to treat food and green waste into biogas to generate electricity. The project was preceded by the examination of several options in the past and has been under consideration by the authorities since 2010.

26.02.2022, www.bbc.com

[Link to source](#)

1.2 WtE plants

Norway / Fortum Oslo to reapply for CO2 capture financing

Fortum Oslo Varme (FOV) has decided to resubmit plans to apply to the EU Innovation Fund regarding the installation of carbon capture technology at WtE plants in Oslo. FOV operates the WtE facilities Haraldrud and Klemetsrud in Oslo, together with the Oslo Kommune. The reapplication probably refers to the plant in Oslo Klemetsrud, as back in November 2021 this plant was not selected for financial support for carbon capturing under the EU Innovation Fund.

01.03.2022, www.tu.no

[Link to source](#)

1.3 MBT & pre-treatment

Germany / FCT Combustion supplies burner to Hannover cement plant

Australian company FCT Combustion has installed a so-called Turbu-Flex burner at Heidelberg Cement AG's concrete works in Hannover, Lower Saxony. As further reported, FCT Combustion will also deliver burner accessories and further add-ons, including an igniter, a flame sensor, fans, blowers and spare parts. The new unit is replacing an existing burner at the site. The goal is to improve combustion control and to maximise the use of RDF.

28.02.2022, www.cemfuels.com

[Link to source](#)

Greece / Update on Langadas MBT project

The tendering process for the Langadas PPP Waste Treatment Unit in the Western Sector of Thessaloniki will go into the next phase. Five bidders have been approved and can submit their technical offers. Afterwards, a bidder will be selected. The bidders are four joint ventures, namely Terna Energy-Titan, Avax-Motor Oil Renewable Energy (MORE)-Thalis, Mytilineos-Mediterranean-Intrakat and Elector-Aktor Concessions.

03.03.2022, ypodomes.com

[Link to source](#)

Greece / Corfu MBT plant tender cancelled

The tender regarding the construction of the MBT plant in Corfu, Ionian Islands, has been cancelled. FODSA, the contracting authority for the construction tender, decided to repeat the tender. As the source indicates, the cancellation might be due to an error. The tender for the 35,000 tpy plant with an EUR 43.9 million investment has been relaunched and prolonged several times.

25.02.2022, corfutvnews.gr

[Link to source](#)

India / New plastic waste separator in Sunder Nagar

Cement producing companies ACC and Ambuja Cements have installed a so-called Geocycle Bubble Barrier plastic waste separator in Sunder Nagar, Himachal Pradesh. Reportedly, the separator will collect the waste for use as RDF fuel at ACC's Gagaj cement plant in the state. Back in April 2021, the Holcim India subsidiaries' first such installation, on the Mantola Canal in Uttar Pradesh, was commissioned. It has collected 500 tons of plastic waste ever since, and is targeting at a total of 2,400 tons in 2022.

03.03.2022, www.cemfuels.com

[Link to source](#)

Indonesia / SIG reports figures for 2021

PT Semen Indonesia Tbk (SIG) has announced a revenue of IDR 34.96 trillion (EUR 2.2 billion) for FY/2021. Net profit amounted to IDR 2 trillion (EUR 126 million) and cost of revenue was IDR 24 trillion (EUR 1.5 billion). Cost of revenue therefore increased by 2.8% compared to the same period in the previous year.

02.03.2022, www.surabayapagi.com

[Link to source](#)

Italy / Appeal against RDF co-incineration in Umbria

The Municipal Council of Gubbio has announced to submit an appeal against the co-incineration of RDF in cement plants in the region. The regional authorities of Umbria permitted the co-incineration of 50,000 tpy of RDF in cement plants in Colacem and Barbetti. An appeal will now be brought forward to the Regional Administrative Court TAR.

25.02.2022, www.umbria24.it

[Link to source](#)

Italy / MBT plant in Lamezia Terme closed

The MBT plant in Lamezia Terme, Calabria, has been closed on 28 February 2022, due the operator Logica Scarl's debt of EUR 4 million. The plant treated unsorted and wet waste from all the municipalities of the Lametino area and some municipalities in the region of Catanzaro, both Calabria. The source does not provide any information on the plant's capacity.

25.02.2022, www.lacnews24.it

[Link to source](#)

Poland / RDF production tender published for Sosnowiec

Municipal waste company Miejskie Przedsiębiorstwo Gospodarki Odpadami Sp. z o. o (MPGO) is currently tendering the production of RDF in Sosnowiec, Silesian Voivodeship. This also includes the installation of necessary equipment. The plant should be able to process between 1,500 and 6,000 tons during the 11-month contract duration. Tenders can be submitted until 28 March 2022.

22.02.2022, ted.europa.eu

[Link to source](#)

Russia / REO proposes RDF plants in Voronezh

In Voronezh Region, two RDF production plants are being proposed by state-owned Russian Environmental Operator (REO). One should be built in the district of Semiluksky and the other one in Rossosh. The facilities would cost RUB 1 billion (EUR 7.8 million) each and the RDF would be sent to Eurocement's cement plant in Podgorny, Voronezh.

03.03.2022, www.kommersant.ru

[Link to source](#)

Russia / Plans for MSW treatment projects in Sakhalin

State company Russian Environmental Operator (REO) and the Federal State of Sakhalin have signed a plan for the construction of MSW treatment plants on the basis of concessions. Construction is scheduled to be completed in 2024. REO finances the investment with bonds. Signing of the concession agreement should take place no later than October 2022.

01.03.2022, reo.ru

[Link to source](#)

Russia / REO supports construction of MBT plants in Tyva

State-owned company Russian Environmental Operator (REO) and the Republic of Tyva have signed a plan for the construction of MBT plants on the basis of PPP concessions. The total capacity of the waste management complexes can be up to 130,000 tpy. Investments are estimated to reach RUB 1.5 to 2 billion (EUR 11.8 to 15.7 million) and construction is scheduled to be completed in 2024.

25.02.2022, reo.ru

[Link to source](#)

USA / Cemex to increase RDF use at two cement plants

Cement producer Cemex USA plans to increase its rate of RDF fuel input at its 2.2 million tpy cement plant in Brooksville, Florida, to 30%. It will also increase the use of RDF at its 1 million tpy Demopolis, Alabama cement plant. Biomass will be part of the new fuel mix at both plants. Cemex USA says that it will complete the plants' fuel change before 2023.

28.02.2022, www.cemfuels.com

[Link to source](#)

1.4 Company news

Italy / IFF acquires Falck Renewables

Italian energy company Falck Renewables SpA has been taken over by investment vehicle Infrastructure Investment Fund (IFF), which is advised by JP Morgan Investment Management. The shares were acquired from Falck SpA for EUR 8.81 per unit in cash, leaving the seller with no shares in the renewable energy company. As part of this transaction, members of the Board of Directors of Falck Renewables were newly appointed. Negotiations on the acquisition had already been announced last year. Falck Renewables operates WtE, BtE, wind and solar plants with a total capacity of 1.3 GW in the UK, Italy, US, Spain, France and Norway.

25.02.2022, renewablesnow.com

[Link to source](#)

Spain / Acciona reports results for 2021

Spain-based Acciona has reached a net profit of EUR 332 million in 2021, which is a decrease of 14.2% compared to 2020. EBITDA rose by 30.9% to EUR 1.48 billion, as well as revenue, which reached EUR 8.1 billion and increased by 25%.

24.02.2022, www.acciona.com

[Link to source](#)

UK / Covanta acquires GIG shares in WtE projects

US-based WtE plant owner and operator Covanta has acquired the shares of Green Investment Group (GIG) in four WtE projects in the UK. In each project, Covanta already holds shares and has now acquired a 50% stake from GIG. The projects are Rookery South in Bedfordshire, the Newhurst plant in Shepshed, the Protos plant in Chester and the Earls Gate Energy Centre in Grangemouth. Apart from Rookery South, which became operational in January 2022, the facilities are still in development stages.

01.03.2022, www.letsrecycle.com

[Link to source](#)

1.5 Policy & others

Denmark / CO2 Capture, Storage & Reuse conference in May

The CO2 Capture, Storage & Reuse 2022 conference will take place in Copenhagen on 17 and 18 May 2022. Topics to be dealt with will include, amongst others, national policies and latest European regulations and case studies. For further information please visit: <https://fortesmedia.com/co2-capture-storage-reuse,4,en,2,1,19.html>

03.03.2022, fortesmedia.com

[Link to source](#)

Saudi Arabia / SIRC calls for waste management PPP projects

Saudi Investment Recycling Company (SIRC) has issued a call for both local and international companies to express interest in waste management and recycling projects in Riyadh. The company is a subsidiary of Saudi Public Investment Fund (PIF), which is setting up a green finance framework. SIRC plans to set up projects like recycling stations, RDF plants and WtE facilities in a public-private-partnership (PPP) model.

01.03.2022, english.aawsat.com

[Link to source](#)

2 Material recycling

2.1 Sorting & recycling projects

Australia / Brightmark to build PRF in Parkes US-based plastic recycling company Brightmark plans to construct a mixed plastic recycling facility in the Parkes Special Activation Precinct in Parkes, New South Wales (NSW). Brightmark reportedly invests AUD 260 million (EUR 172.4 million) in the site. Brightmark uses a thermo-chemical recycling technology to recycle plastics. The PRF is supposed to process 200,000 tpy of plastic waste and will be able to accept and process all plastics. Production start is scheduled for mid-2023 and according to current information, the plant should be ready for operations in 2025.

01.03.2022, www.packagingnews.com.au

[Link to source](#)

Canada / Electra gets funding for battery materials park study Electra Battery Materials Corporation will receive funds of CAD 250,000 from the Government of Canada for the development of its battery materials park study. The project was announced on 23 February 2022 as a partnership with the Government of Ontario, Glencore plc and Talon Metals. Overall, the partners contribute AUD 950,000 into the study scheduled to be completed in Q2 or Q3/2022. The integrated park should be combining chemical refining, battery recycling and cathode precursor production, according to the source.

01.03.2022, www.lelezard.com

[Link to source](#)

Croatia / Babina Gora waste centre retendered again KODOS d.o.o. has again released a new tender for a waste management centre in Babina Gora, near the city of Karlovac, Karlovac County. Earlier tenders were not awarded, as announced in early April 2020 and mid-January 2022. The estimated value of the new contract is again said to be HRK 179.9 million (EUR 23.8 million). The contract has a duration of 41 months and tenders may be submitted until 4 April 2022.

25.02.2022, ted.europa.eu

[Link to source](#)

Germany / Chemical recycling pilot plant to start in April

A pyrolysis process co-developed at the Karlsruhe Institute of Technology (KIT) for the chemical recycling of mixed plastic waste is about to start. The start-up Arcus Greencycling Technologies GmbH is building its first demonstration plant at the Frankfurt-Hoechst industrial park in Frankfurt am Main, Hesse. The prototype is scheduled to go into operations in April 2022, with a 500 kilograms per hour capacity, including condensing, gas cleaning and 4.5 MWt power generation unit. The annual capacity reaches 4,000 tons of mixed plastic waste to be converted into 2,500 tons of pyrolysis oil.

01.03.2022, EUWID Recycling & Entsorgung 9.2022

Germany / Composite packaging plant under development in Dessau

Swiss-based Hoffmann Neopac AG and Germany's Saperatec GmbH are cooperating for the recycling of aluminium barrier laminates (ABL). The manufacturer of barrier tubes for pharmaceuticals, cosmetics and toothpaste will send its production waste to Saperatec in Dessau, Saxony-Anhalt. The waste is then to be used at the first industrial recycling plant for aluminium laminate composites, which is due to start in mid-2023 and recycle 18,000 tpy of composite packaging waste made of aluminium, plastic and paper. Construction at the plant started in December 2021. As further indicated in the source, like all ABL packaging waste, discarded ABL tubes would usually be downcycled or incinerated (or even landfilled, in certain countries).

01.03.2022, EUWID Recycling & Entsorgung 9.2022

Netherlands / PCP to build chemical recycling plant in Delfzijl

Plastics Conversion Plant B.V. (PCP) plans to construct a chemical recycling facility in Delfzijl, Groningen, to produce benzene, toluene and xylene (BTX) from plastic waste. An EIA is required for the permit. The EIA Committee advises the Province of Groningen on the EIA procedure. In particular, attention must be paid to origin, composition and quantity of plastic waste to be processed at the facility. This holds especially true for substances of very high concern (ZZS), as further stated by the Committee. Options for preventing or limiting emissions of these substances should be included in the EIA report.

01.03.2022, afvalonline.nl

[Link to source](#)

Nigeria / Recycling plant inaugurated in Ogun

A 7,000 tpy recycling facility has recently been inaugurated in Ogun State. As further reported, this plant is the first phase of a proposed 21,000 tpy facility at the OPIC Industrial Estate in Makun, Sagamu. The source does not comment further on the technology or the feedstock to be used at the site.

02.03.2022, *dailytrust.com*

[Link to source](#)

North America / KP plans to increase rPET capacities

Klöckner Pentaplast (KP) plans a new extrusion plant and two new thermoforming plants in North America. Reportedly, KP is currently reviewing potential sites and plans to commission the facilities in Q1/2024. The plants should provide a combined additional production capacity of 15,000 tpy of packaging materials made out of rPET. The overall cost of the facilities is apparently several million dollars, but is not further specified in the source. KP is a multinational manufacturer of plastic packaging founded in Montabaur, Germany.

22.02.2022, *plasticker.de*

[Link to source](#)

Philippines / New small-scale recycling facility in Koronadal

The United Nations Industrial Development Organization (UNIDO) has provided a PHP 4 million (EUR 69,930) recycling facility to Koronadal City, Soccsksargen (Region XII). The facility includes a bottle crusher, a generator set and a plastic armchair moulder and should be used to recycle plastics and bottles. The facility was installed in the city's Paraiso village and is currently on its way to becoming fully operational. The source does not comment on the plant's capacity.

02.03.2022, *www.manilatimes.net*

[Link to source](#)

Philippines / ACEN integrates PRF in its energy storage facility

AC Energy Corp. (ACEN) has integrated a PRF in its new energy storage facility in Laguna, Calabarzon. In the PRF, plastic waste from landfill will be recycled and turned into ecobricks. These bricks are then supposed to be used for building facilities within the energy storage facility. ACEN is the listed energy platform of the Philippines-based Ayala Group. The source does not provide any information on the processing capacities or the costs of the PRF.

21.02.2022, *businessmirror.com.ph*

[Link to source](#)

UK / Glenrothes PRF to be fully operational in Q2/2022

In September 2021, UK-based company Yes Recycling announced to start operations of a PRF in Glenrothes, Fife, Scotland, in late October 2021. Now, the plant has been rescheduled to be fully operational in Q2/2022 instead. The facility will be able to recycle 15,000 tpy of mostly hard-to-recycle plastics to produce flakes, pellets and boards. The project received GBP 520,000 (EUR 607,245) of funding from the Circular Economy Investment Fund, sourced by Zero Waste Scotland. Furthermore, Swiss-based Nestlé invested GBP 1.65 million (EUR 1.99 million) in the facility in September 2021 and in November 2021, Morrison allegedly acquired a significant stake in the facility.

25.02.2022, www.packaging-gateway.com

[Link to source](#)

USA / Machinex upgraded two MRFs

Machinex has completed upgrades at two MRFs in the USA. In Duncan, South Carolina, Machinex replaced the rubber disc polishing screen and redesigned its single-stream system. The upgrades reportedly started in June 2021. The Duncan facility can handle around 15,000 tpy of recyclables. In Fayetteville, North Carolina, an upgrade of the single-stream system, involving the addition of a quality control station, was reportedly already completed in August 2021. This facility can process 20,000 tpy of material. Both projects were carried out in collaboration with Atlanta-based Pratt Industries. Machinex is a waste and recycling equipment manufacturer based in Plessisville, Quebec, Canada.

01.03.2022, www.recyclingtoday.com

[Link to source](#)

USA / Republic Services builds recycling facility in Las Vegas

North American waste disposal company Republic Services is currently constructing a new recycling facility in Las Vegas, Nevada. It will be able to recover PET and olefins in two separate lines. The overall processing capacity will reportedly be over 45,000 tpy, and it will mainly process materials from Republic Services' own MRFs. Commissioning of the plant is planned for 2023. The size of the facility is reported to be 75,000 square feet. The costs are not stated in the source. One of the two lines will be for recovered PET and the other one for olefins (polyethylene and polypropylene). The source also provides detailed information on the respective recycling process of both lines.

01.03.2022, resource-recycling.com

[Link to source](#)

USA / Update on Rumpke's MRF plans in Columbus

Rumpke Waste and Recycling's new MRF in Columbus, Ohio, will be designed to adapt to future changes to the recycling stream. Rumpke announced plans to set up the USD 50 million (EUR 45 million) facility earlier this year. 200,000 square feet in size, it is supposed to be built on a 25-acre site on Joyce Avenue. According to the source, it will also include a Sustainability Institute in partnership with Ohio State University. Rumpke plans to close its current facility in Columbus once the new facility has opened. Rumpke Waste and Recycling is a Cincinnati, Ohio-based waste collector.

01.03.2022, [resource-recycling.com](https://www.resource-recycling.com)

[Link to source](#)

2.2 Sorting & recycling plants

No news in this category this week.

2.3 Company news

France / Cube IM acquires majority stake in Sepur

Cube Infrastructure Managers (Cube IM) has acquired the majority stake in French waste management company Sepur, replacing Trail Capital. Cube IM is a Luxembourg-based investment company. However, the source does not provide any information on the cost of the acquisition.

02.03.2022, www.environnement-magazine.fr

[Link to source](#)

France / Paprec takes over Thiollet Recyclage

Nercillac, Nouvelle-Aquitaine-based paper and cardboard manufacturer Thiollet has sold its recovered paper activities. Its subsidiary Thiollet Recyclage was taken over by Paris-based recycling and disposal company Paprec. As further stated in the source, according to Paprec, Thiollet Recyclage currently handles around 12,000 tpy of waste generates and has annual turnover of EUR 1.5 million.

01.03.2022, [EUWID Recycling & Entsorgung 9.2022](#)

India / Ace Green receives USD 7 million in funding

India-based battery recycling technology company Ace Green Recycling receives funding of more than USD 7 million (EUR 6.3 million). This brings the company's total funding to USD 10 million (EUR 9 million). The recent funding round was led by Circulate Capitals. The company reportedly wants to invest the money in developing its lithium-ion reusable technology, amongst others. Reportedly, the company is currently developing an emission-free lead-acid battery recycling technology.

17.02.2022, inc42.com

[Link to source](#)

UK / John Lawrie Metals acquired by ArcelorMittal

ArcelorMittal has acquired Scottish metal recycling firm John Lawrie Metals. The sum of the purchase has not been disclosed. ArcelorMittal is an international steel manufacturing group with headquarters in Luxembourg.

03.03.2022, www.scotsman.com

[Link to source](#)

UK / Cawleys introduces new battery recycling division

Luton-based waste management company Cawley has launched a lithium battery recycling division as part of its hazardous waste department on 1 March 2022. The new division is called Lithium Battery Recycling Solutions. It will specialise in a service including the collection, transportation, dismantling and recycling of batteries.

01.03.2022, www.letsrecycle.com

[Link to source](#)

UK / Hanson UK takes over A1 Services

Construction material supplier Hanson UK has acquired Manchester-based A1 Services. A1 Services is a waste recycling company that specialises in the removal and recycling of C&D materials and landfill restoration and remediation. The source does not provide any information on the timing and the cost of the acquisition.

24.02.2022, hub-4.com

[Link to source](#)

2.4 Policy & others

Vietnam / Plastic waste management PPP continues activities

In February 2020, the Vietnamese Ministry of Natural Resources and Environment along with three enterprises (Dow Vietnam, SCG Group and Unilever Vietnam) formed a PPP to create a circular economy in public waste management. The PPP is called the Public-Private Collaboration for Plastic Waste Management. Key steps are to set up plastics sorting, collection and recycling projects, to educate the public and to develop the relevant legal framework and policies. At a recent workshop, the collaboration welcomed 24 new members from different sectors.

01.03.2022, nhipsongdoanhnghiep.cuocsongantoan.vn

[Link to source](#)

3 Anaerobic digestion / biogas

3.1 Projects agriculture

France / AD plant to be built in La Chapelle-du-Bois

SAS Biomethane La Bruyère plans to build a new AD plant in La Chapelle-du-Bois, Pays de la Loire. A public consultation will be open until 28 March 2022. According to the company's registration papers, the plant should be capable of processing 24,470 tpy of livestock effluents, plant waste, energy crops and biowaste in a mesophilic process in two 2,400 m³ digesters. The produced biogas should be upgraded to biomethane using membranes to inject 300 Nm³/h into the GRTGaz grid. Local residents have founded a collective to oppose the project.

02.03.2022, actu.fr

[Link to source](#)

France / Building permit granted for Bailleul AD plant

The AD project by agricultural company Belle Énergie in Abeelstrate, between Bailleul and Saint-Jans-Cappe, Hauts-de-France, has been granted a building permit on 16 February. Possible appeals can be submitted until 16 April. Information on the current time schedule of the project was not disclosed. According to earlier sources, plans provide for the plant to process 70 tpd of manure, slurry, plant waste, beet pulp and vegetable by-products.

28.02.2022, www.nordlittoral.fr

[Link to source](#)

France / Construction of Thouarsais AD plant to start in 2023

SAS Biomasse Thouarsaise has announced to start construction of the biomethane plant in Thouarsais, Nouvelle-Aquitaine, in early 2023. The project is being supported by the municipal community Communauté de communes du Thouarsais and 20 local farms under the Syndicat d'eau du Val du Thouet (SEVT). The plant should cost up to EUR 7 million. According to earlier information, the plant should treat 24,000 tpy of agricultural waste from local farmers as well as municipal mowing to supply biogas to around 900 households.

28.02.2022, www.lepetiteconomiste.com

[Link to source](#)

France / More information on Auneuil AD project

Further information has been published on the agricultural biomethane project in Auneuil, Hauts-de-France, after it was presented to local residents in a public meeting. The project is developed by the UCAC agricultural cooperative and the company Biogaz 60 du Pays de Bray. The plant should process rye, sugar cane residues and grass waste and produce 400 Nm³/h of biomethane, according to the company's website. If the building permit is granted, construction should start in late 2022 for commissioning in late 2023.

26.02.2022, www.leparisien.fr

[Link to source](#)

France / Porte-de-Savoie AD plant approved

The Prefecture of Savoie has approved plans by SAS Champlong Biogaz to develop an agricultural AD plant in Porte-de-Savoie, Auvergne-Rhône-Alpes. The plant should process agricultural waste from 15 surrounding farms. Local residents opposing the plant have filed an appeal against the permit. According to earlier information, the plant should treat 3,000 tpy of plant residues and 12,000 tpy of energy crops in a 3,875 m³ digester to produce 150 nm³/h of biomethane.

26.02.2022, www.ledauphine.com

[Link to source](#)

Ireland / Tullamore AD plant to be commissioned in 2023

Energy company Strategic Power has stated that its biogas plant in Ballyduff, near Tullamore, should start operations by autumn 2023. Offaly County Council had previously refused to approve the plant, but national appeals board An Bord Pleanála overturned the decision. Once completed, the plant should process 50,000 tpy of various agricultural waste to generate 40 GWh of biomethane for the GNI grid.

28.02.2022, www.offalyindependent.ie

[Link to source](#)

Italy / TAR rejects appeal against Zimmardo Bellamagna AD plant

The TAR (short for Tribunali Amministrativi Regionali, meaning Regional Administrative Court) has rejected the appeal by a consortium of residents against the planned biomethane plant in the Zimmardo Bellamagna district between Pozallo and Modica, Sicily, because the project complies with regulatory requirements. The TAR has thus agreed to the construction of the plant, which is developed by the company Biometano Ibleo. According to earlier sources, the plant should produce around 499 m³/h from agricultural waste and by-products.

24.02.2022, www.lasicilia.it

[Link to source](#)

Spain / EnviTec and Nortegás plan biogas plant in Castropol

German biogas plant manufacturer EnviTec and gas company Nortegás have presented a plan to jointly develop a biogas plant in the Barres industrial area of Castropol, Asturias. The companies plan to invest EUR 8 million into the project. It should process approximately 125,000 tpy of slurry, complemented with other organic residues.

01.03.2022, www.elcomercio.es

[Link to source](#)

Spain / Biomethane project planned in Castro de Rei

Recycling company Agroamb Prodalt plans to develop a new AD project in Castro de Rei, Lugo, Galicia. Agroamb intends to invest EUR 22.5 million into the plant, which should process agricultural waste and waste from the agrifood industry to produce biogas. The biogas should be upgraded to liquid biomethane to be used as fuel and also cover the plant's self-consumption needs. The project was recently declared as a priority business initiative by the Xunta de Galicia, which will speed up the legal procedures for the project.

27.02.2022, www.xunta.gal

[Link to source](#)

Spain / Frigoríficos Bandeira receives funding for AD project

Spanish meat processing company Frigoríficos Bandeira has received more than EUR 1 million in funding from the Galician Government for its AD project at its site in Bandeira, near Silleda. The company will be able to access 80% of the funding as an advance and has to complete the project before 30 June 2023. According to earlier sources, the plant should process 48,000 tpy of slaughterhouse waste to generate around 11,500 MWh per year. In total, the Galician Government allocated EUR 6 million to 13 projects.

26.02.2022, www.lavozdegalicia.es

[Link to source](#)

Spain / Three RE plants to be built in Pozoblanco

The Livestock Cooperative of the Los Pedroches Valley (COVAP) plans to develop three renewable energy facilities in Pozoblanco, Andalusia. These should consist of a biogas plant with a 7 MW boiler, a biomass plant with two 7.5 MW boilers and a 6 MW photovoltaic plant. The biogas and biomass plants should produce thermal energy, while the PV plant should generate electricity. The biogas plant should treat livestock waste and industrial by-products. Investment costs for all facilities amount to EUR 25.1 million and commissioning is planned for 2023.

24.02.2022, www.energias-renovables.com

[Link to source](#)

3.2 Projects biowaste

Canada / CED to fund expansion of CTBM organic waste centre

The Canada Economic Development for Quebec Regions (CED) will provide CAD 3 million (EUR 2.12 million) of funding for the expansion of the Centre de traitement de la biomasse de la Montérégie (CTMB) organic waste treatment facility in Saint-Pie. The site currently includes two biomethane units and two composting units. It processes liquid and semi-liquid waste from the agri-food and commercial industries to produce biogas, digestate as fertiliser and ammonium sulfate. However, the source does not provide further information on capacities or the capacity expansion.

25.02.2022, www.canadianmanufacturing.com

[Link to source](#)

Italy / Biogas plant proposed in Fiumicino

There are plans to develop a new biogas plant at a site called Lingua d'Oca in Fiumicino, Lazio Region, to increase the treatment of differentiated organic wastes. The plant should be built with funds from the National Recovery and Resilience Plan (PNRR). Details on the plant were not disclosed, except that there are talks about a possible increase of the processing capacity up to 60,000 tpy. Another AD plant, which belongs to manufacturing company Ama Spa, is already in operation in the neighbouring town Maccarese.

26.02.2022, www.civonline.it

[Link to source](#)

Italy / Legnano AD plant to be inaugurated

The AD plant by Asja Ambiente in Via Novara in Legnano, Lombardy, is scheduled to be inaugurated on 10 March 2022. Asja Ambiente and AMGA Aemme Linea Ambiente Group signed an agreement for the project in late 2017 and construction started in July 2020, which was partially delayed because of the COVID-19 pandemic. Once operational, the plant will treat 40,000 tpy of wet household biowaste and 12,400 tpy of green waste to produce up to 4 million m³ of biomethane for the network annually.

26.02.2022, www.ilgiorno.it

[Link to source](#)

Italy / Biomethane plants proposed in Friuli Venezia Giulia

The investment fund for Healthy Business Advisory (HBA) has presented a EUR 140 million project in the Friuli Venezia Giulia Region titled Greenteam, which should be carried out in partnership with agricultural association Copagri Fvg. Under the project, sugar refineries, flour mills and plants for biomethane production should each be built at three locations in Lower Friuli, Lower Pordenone and Medio Friuli. From acquisition to construction of the plant, is expected to take 12 months and the operation period will be 15 years.

23.02.2022, nordesteconomia.gelocal.it

[Link to source](#)

Japan / Weltec commissions AD plant near Tokyo

German biogas plant manufacturer Weltec Biopower has commissioned a new biogas plant near Tokyo, Saitama Prefecture. The plant includes a 2,823 m³ steel digester. It should process locally sourced organic waste and manure to produce biogas to power a 450 kW CHP plant. The project is the fourth AD plant realised by Weltec in Japan.

28.02.2022, www.weltec-biopower.de

[Link to source](#)

Mexico / Fitec to install biogas plant for Villa Avocado

Canadian engineering company Fitec has secured a contract to develop a biogas plant for food company Villa Avocado in Michoacan Province. The plant should process 120 tpd waste from avocado processing to produce 650 m³/h of biogas to produce heat and electricity for Villa Avocado. The plant should start operations in 2024.

28.02.2022, www.bioenergy-news.com

[Link to source](#)

Spain / Proposal selected for Tenerife AD tender

The Council of Tenerife has selected UTE Arico Green Gass as the winner of a tender to construct a biomethane plant at the Environmental Complex of the Tenerife MBT plant. The Council will refer the company's proposal for final approval to the Island Government Council. Arico proposed to develop an AD unit to treat 90,454 tpy of organic waste, 24,702 tpy of sewage sludge and 14,100 tpy of livestock waste.

02.03.2022, diariodeavisos.elespanol.com

[Link to source](#)

Turkey / AD unit commissioned Bursa

An AD unit has been commissioned in the Eastern Region Integrated Solid Disposal Facility in Bursa, Marmara Region. Biotrend Environment and Energy Investments A.Ş. and the Bursa Metropolitan Municipality cooperated on the project. The plant should process organic waste diverted from landfills to generate 12 MW of energy by the end of this year.

15.02.2022, [rayhaber.com](https://www.rayhaber.com)

[Link to source](#)

UK / Rivenhall waste facility must be completed in 2026

Essex County Council has decided that the Integrated Waste Management Facility located at the Rivenhall Airfield in Essex, which is developed by waste specialist Indaver, has to be fully operational by the end of 2026. Indaver had applied for an extension of its planning permission in September 2021. The facility was originally due to be built by March 2021 but construction only started in the summer. All elements of the GBP 400 million (EUR 480 million) project must now be completed in 2026. It includes a WtE and an AD plant for organic waste, amongst other installations.

26.02.2022, www.bbc.com

[Link to source](#)

UK / Proposal for conversion of Warnham MBT plant

West Sussex County Council is to explore different proposals regarding the county's separated food waste processing capacity, in light of the Resources and Waste Strategy for free separate food waste collections. One proposal provides for the 310,000 tpy MBT plant at Brookhurst Wood near Warnham by waste management company Biffa to convert the plant so that separately collected food waste can be processed in an AD plant. The conversion would take 12 months and cost around GBP 7.3 million (EUR 8.8 million).

25.02.2022, www.letsrecycle.com

[Link to source](#)

3.3 Company news

Canada / Andion secures financing to expand operations

Canada-based renewable energy developer Andion Global Inc. has announced to have secured a CAD 20 million (EUR 14.3 million) multi-partner financing from three investment partners, namely private equity firm Spring Lane Capital, infrastructure investor Equitix Infrastructure Investments Limited and the Business Development Bank of Canada. Andion will use the investment to expand its operations, acquire equity stakes in existing projects and support the development of its projects in North America, Italy and the Nordics.

01.03.2022, www.lelezard.com

[Link to source](#)

Italy / Biemme and agriKomp found agriKomp Italia

Biogas technology companies Biemme Impianti and agriKomp have jointly created the new company agriKomp Italia srl. With the new joint company, the partners want to increase the joint development of new biogas plants in Italia. The two companies already cooperate since 2019. According to the announcement, the establishment of the company is a reaction to the increasing demand from Italy.

25.02.2022, www.pressebox.de

[Link to source](#)

Spain / Hy24 acquires 30% of Enagás

Investment platform Hy24 has signed an agreement to acquire 30% of Spanish gas distributor Enagás Renovable. Through the investment, the company plans to accelerate Enagás' renewable gas platform, focusing on biomethane and hydrogen. Enagás currently has a portfolio of more than 50 renewable gas and decarbonisation projects in Spain.

24.02.2022, www.bioenergy-news.com

[Link to source](#)

USA / Aemetis announces five-year plan

Renewable fuels and biochemicals company Aemetis Inc has published its 2022 five-year plan, which projects USD 1.5 billion (EUR 1.35 billion) in revenues and USD 461 million (EUR 416 million) of adjusted EBITDA in year 2026. The company's growth is primarily expected to be generated from dairy RNG assets. The Aemetis Dairy RNG project plan projects revenues to grow from USD 9.5 million (EUR 8.6 million) in 2022 to USD 217 million (EUR 195.8 million) in 2026. Aemetis received USD 23 million (EUR 20.7 million) of grants for dairy RNG. Milestones achieved in 2021 include the completed construction of a biogas upgrading plant and commenced construction of five dairy AD plants.

28.02.2022, *ethanolproducer.com*

[Link to source](#)

3.4 Policy & others

Italy / Biometano Day 2022 to take place in March

The Biometano Day 2022 will take place on 17 and 18 March 2022. The first day of the conference will be held as an online event, while the second day will take place in Tortona, Piedmont. This year's programme includes presentations and discussions on the development of biomethane in Italy, biogas upgrading and new opportunities for biomethane. For more information please visit the link to the source.

03.03.2022, *agroenergia.eu*

[Link to source](#)

North Macedonia / Energy production from biogas decreases in 2021

National statistics office Makstat has released data on the electricity production in North Macedonia in 2021. Net output increased by 3.2% to 5,194.9 GWh. Compared to 2020, the electricity production by biogas plants decreased by 6.1% to 53,818 MWh.

25.02.2022, *renewablesnow.com*

[Link to source](#)

South Africa / Sasol looks for partners in biogas development

Energy and chemicals company Sasol has published a request for information (RFI), looking for partners to collaborate on the utilisation of biogas technologies. Companies with expertise in the biogas sector can submit their details by 30 April 2022.

23.02.2022, *energies-media.com*

[Link to source](#)

**USA / CPUC adopts
biomethane targets**

The California Public Utilities Commission (CPUC) has approved a new biomethane procurement target for utilities. The decision includes a total annual procurement goal of 17.6 billion ft³ of biomethane by 2025, which should increase to 72.8 billion ft³ by 2030. With the new measures, the CPUC aims to reduce methane and black carbon emissions in the agricultural, landfill and waste sectors.

02.03.2022, www.utilitydive.com

[Link to source](#)

**USA / EPA announces
funding selection for AD
projects**

The U.S. Environmental Protection Agency (EPA) has announced to have selected 11 organisations to receive a total of USD 2 million (EUR 1.79 million) to expand AD capacity in order to divert food waste from landfills. Amongst others, Monterey One Water, California, will receive funding for a feasibility study to co-digest food waste in existing sewage sludge digesters. The San Luis Valley Local Foods Coalition, Colorado, will receive funding to install a demonstration AD plant for food and organic waste.

24.02.2022, www.epa.gov

[Link to source](#)

4 Solid Biomass-to-Energy

4.1 Projects

Bulgaria / Solvay to increase biomass combustion in Devnya

Chemical company Solvay plans to increase the biomass co-combustion rate of its soda ash plant in Devnya, Varna Province. The on-site boiler should be fuelled with 30% biomass, which should reduce energy-related CO₂ emissions by 20%. The biomass fuel should be sourced from various sources, including locally-sourced sunflower husk pellets.

01.03.2022, www.bioenergy-news.com

[Link to source](#)

China / New BtE project tenders in Yihuang County

It has been announced that a new Biomass-to-Energy project was proposed in Yihuang County, Jiangxi Province, and the tender for a PC contractor was issued. The project will be equipped with 2x75 tph CFB furnaces and 2x15 MW steam turbine generator sets. According to the announcement, the project has secured a loan from the New Development Bank, and any eligible company from NDB membership countries, including Brazil, Russia, China, India and South Africa, can bid for this project.

24.02.2022, news.bjx.com.cn

[Link to source](#)

Czech Republik / Public consultation on České Budějovice project

A public consultation has been held for the planned waste and biomass heating plant in České Budějovice, Nové Vráto district, Southern Bohemia. A decision on the approval of the plans is expected for April 2022. The plant is to incinerate 160,000 tpy of waste and wood chips, costing about CZK 3 billion (EUR 117.2 million). It is scheduled to go online 2028.

22.02.2022, www.idnes.cz

[Link to source](#)

France / Inspection of biomass project at Marie-Galante factory

An inspection mission on the future of the Marie-Galante sugar cane factory has examined the current state of the plant and identified three scenarios for the future of the plant. These include either building a thermal power plant with bagasse-based biomass combustion, moving the crop to another plant in Le Moule for processing, or investing EUR 30 million to modernise the plant. The report recommends abandoning the first scenario due to cost and efficiency deficiencies and making the necessary modernisation investments, while moving the harvest to the nearby site during the modernisation work. Under this recommendation, no biomass would be combusted at the plant.

01.03.2022, www.la1ere.francetvinfo.fr

[Link to source](#)

France / Crowdfunding for Le Havre biomass plant

EDF Group subsidiary Dalkia, provider of energy services, has opened a crowdfunding initiative in the city of Le Havre, Normandie. The objective is to collect EUR 80 million for the construction of a new BtE plant by Suez in the industrial and port zone of Le Havre and EUR 50 million for the 40 kilometres of the additionally required heating network. In order to finance part of the required investments, first residents of the city and then all residents of the region can participate in the investment. According to earlier sources, the heating plant should be fuelled with 100,00 tpy of class B wood waste and have an installed capacity of 43.5 MW.

26.02.2022, www.actu.fr

[Link to source](#)

Ivory Coast / Biovea starts construction of Ayébo BtE plant

Biovea Energies, a JV by EDF, Meridiam and Sifca Group, has started the construction of the 46 MW biomass project in Ayébo, Aboisso region. Start of operations is planned for 2023. The plant should consist of two 23 MWel boilers, which should be fuelled with a total of 480,000 tpy of palm oil waste. A 25-year PPA with the Compagnie Ivoirienne d'Electricité (CIE) is in place. The project is being supported by the French Development Agency (AFD) and the Netherlands Development Finance Corporation (FMO). It also receives funding from the Private Infrastructure Development Group (PIDG) and its subsidiary Emerging Africa Infrastructure Fund (EAIF).

02.03.2022, www.afrik21.africa

[Link to source](#)

Japan / Construction start of Minokamo BtE plant

GK Minokamo Biomass Power has started construction of the 7.1 MWel biomass plant in Minokamo, Gifu Prefecture. The company is a joint venture by Chubu Electric (40%) and Mitsubishi HC Capital and Sago (30% each). Commissioning is planned for October 2023. Once completed, the plant should be fuelled with locally sourced thinned wood to generate 50 million kWh of electricity annually.

02.03.2022, renewablesnow.com

[Link to source](#)

Japan / New company to develop biomass plant in Hirata

The companies Okumura Corporation, Shikoku Electric Power Co., Inc. and Iwahori Construction Industry have co-founded the new biomass company Hirata Bioenergy. It should construct a biomass power plant in Hirata Village, Fukushima Prefecture. The plant should consist of two units, which should be fuelled with woodchips to generate 1,990 kWel of electricity. Unit 1 should start up in June 2022 and unit 2 should be commissioned in April 2023.

01.03.2022, www.rim-intelligence.co.jp

[Link to source](#)

Poland / New biomass plant in Sieradz

Polish construction company Przedsiębiorstwo Energetyki Ciepłej (PEC) has started building a 28 MW municipal heating power plant in Sieradz. The plant will also include a 0.9 MWel and 1.1 MWth cogeneration module for electricity generation for its own energy need. The total investment amounts to almost PLN 130 million (EUR 27.3 million), PLN 72.8 million (EUR 15.3 million) of which will be subsidised from the National Fund for Environment Protection and Water Management. A consortium of Inżynieria Rzeszów SA and Energy Solutions SP will be the operator of the heating plant. Construction work is scheduled for completion on 30 September 2023.

01.03.2022, www.ezg24.net

[Link to source](#)

Russia / Irkutsk Region to fund infrastructure projects

The Irkutsk Region has applied for a loan of RUB 16.1 billion (EUR 13.1 million) from the Ministry of Construction to fund several infrastructure projects in 2024 and 2025. Among the planned projects is a new biomass boiler in Ust-Kut. In September 2021, the Russian Government approved a similar loan of RUB 8.65 billion (EUR 73.1 million), which should also fund the biomass project. However, the source did not provide any further information on the plant.

27.02.2022, www.infobio.ru

[Link to source](#)

Vietnam / Erex and T&T sign MoU to develop biomass

The companies Erex and T&T Group have signed an MoU to develop biomass projects. The partners should assess investments for new biomass plant projects and convert coal-fired plants to biomass use. According to the source, by 2035, Erex and T&T expect to jointly develop a biomass plant capacity of 1,500 MW and to convert 3,000 MW of coal-fired plants to biomass. The partners have already jointly signed an MoU with the Binh Phước Province to develop up to 170 MW worth of biomass power in the Bù Đăng and Bù Gia Mập areas. However, no further details on the plant were provided.

23.02.2022, www.qdnd.vn

[Link to source](#)

4.2 Plants

Japan / Erex takes over Buzen Biomass Center

Japan-based energy company Erex Co., Ltd has announced the absorption and merger of the consolidated subsidiary of Buzen Biomass Center in Buzen, Fukoka Prefecture. The 75 MWel biomass power plant was inaugurated in January 2020 and was previously a joint venture of Erex (65% stake), Japanese renewable energy company Kyuden Mirai Energy (27%) and Japanese corporation Kyudenko (8%). With the acquisition, Erex has taken over all shares in the power plant.

25.02.2022, finance.yahoo.co.jp

[Link to source](#)

4.3 Pellets, Pulp, Sugar & Co.

Canada / Canfor intends to sell its forest tenure

Canfor Corporation, a Canadian producer of sustainable wood building solutions, has published its initiative to sell its forest tenure in British Columbia (BC) to McLeod Lake Indian Band and Tsay Keh Dene Nation. Furthermore, the Mackenzie site, plant and equipment is to be sold to the wood products producer Peak Renewables for EUR 48.7 million. Peak Renewables produces wood products including commercial pellets, lumber and finger jointing. Final approval for the tenure transfer from the BC Minister of Forests, Lands, Natural Resource Operations and Rural Development is still pending.

25.02.2022, www.bioenergy-news.com

[Link to source](#)

4.4 Company news

France / Albioma reports 2021 results

French power and pellet company Albioma has published its financial results for 2021. Net income amounted to EUR 71.3 million. Compared to the previous year, the group's revenue increased by 13% to EUR 573.3 million. EBITDA increased by 4% to EUR 214.8 million. During 2021, Albioma reported progress on the biomass conversion of the Bois-Rouge plant and Le Gol plant on Reunion Island. The company also acquired a pellet plant in Quebec and marked the first year of operation of its the tranche 3 of Albioma Le Moule, which was converted to biomass use.

02.03.2022, finance.yahoo.com

[Link to source](#)

France / Kyotherm raises EUR 45 million in fundraising round

Kyotherm has closed a new financing round worth EUR 45 million. Alongside its historical shareholders Noria, Johes, Starquest, Ciclad and Bpifrance, the company was also able to attract Andera Partners. Kyotherm specialises in the third-party financing of small-scale renewable heat production projects and energy efficiency projects and develops energy projects. Kyotherm has thus developed a portfolio of 130 MW of capacity spread across around 100 sites in Europe. After passing the 100 MW mark in capacity in operation during 2021, Kyotherm aims to reach 200 MW by the end of 2022 and 500 MW by 2025.

01.03.2022, www.bioenergie-promotion.fr

[Link to source](#)

Italy / IFF acquires Falck Renewables

Italian energy company Falck Renewables SpA has been taken over by investment vehicle Infrastructure Investment Fund (IFF), which is advised by JP Morgan Investment Management. The shares were acquired from Falck SpA for EUR 8.81 per unit in cash, leaving the seller with no shares in the renewable energy company. As part of this transaction, members of the Board of Directors of Falck Renewables were newly appointed. Negotiations on the acquisition had already been announced last year. Falck Renewables operates WtE, BtE, wind and solar plants with a total capacity of 1.3 GW in the UK, Italy, US, Spain, France and Norway.

25.02.2022, renewablesnow.com

[Link to source](#)

Spain / Q-Energy launches EUR 9 billion renewables fund

Madrid-based renewables investor Q-Energy launches a renewable fund with a volume of EUR 9 billion. The investment focuses on renewable energy, energy storage and distribution projects under its strategic plan for 2022-2025. Q-Energy seeks for opportunities to invest in technologies for renewable energy sources such as solar, wind and biomass. Further target technologies include hydrogen, storage, smart grids and investments in power-to-X schemes. Q-Energy started in 2006 and now operates a portfolio of 1.2 GW of solar PV capacity, 242 MW of concentrated solar power (CSP) plants and 325 MW of wind farms in Spain, Germany, Poland and Italy.

01.03.2022, renewablesnow.com

[Link to source](#)

USA / Enviva announces 2021 results

Pellet producer Enviva Inc has published its financial and operating results for 2021. Net revenue for the group amounted to USD 1.04 billion (EUR 938.66 million). Adjusted EBITDA reached EUR 116.7 million (EUR 105.33 million). In the statement, Enviva also announced to have signed a new 15-year offtake agreement to supply 600,00 tpy of wood pellets from 2023 to a European customer looking to replace lignite coal. The company also announced the signing of a 5-year offtake agreement with an existing customer to supply 90,000 tons of pellets in 2022 and 180,000 tpy of pellets from 2023 until 2026.

28.02.2022, www.canadianbiomassmagazine.ca

[Link to source](#)

4.5 Policy & others

France / Paris, Rouen and Le Havre form company for RE development

The local semi-public company (SEML) "Axe Seine Energies Renouvelables" aims to develop about 50 renewable energy projects by 2030. Following a year of negotiations, the company is now set to launch in early spring 2022. Its goal is to develop around 50 renewable energy projects in the Seine Valley area to reach an installed capacity of 250 MW by 2030. Technologies supported include wind power and photovoltaics as well as biomass, green hydrogen and heat recovery.

25.02.2022, www.revolution-energetique.com

[Link to source](#)

Germany / EC asks to revise rejected follow-up support measure

The EU Commission (EC) has followed up on its decision to reject the German Bundestag's decision from 2020 to apply a follow-up support for waste wood power plants. The EC stated the measure would not have met the compatibility criteria of the State Aid Guidelines, but also requested the German authorities to revise its proposal. The case in the support scheme could be reopened by the EC, if a revision of the scheme establishes compliance with the guidelines.

26.02.2022, www.contextcrew.de

[Link to source](#)

Italy / Investigations of false declaration of biomass origin

Woody biomass material was falsely labelled as coming from short supply chains, even though it came from further away. Authorities have investigated irregularities from 2014 until 2016 in the use of woody biomass in the Provinces of Belluno and Vicenza. Nearly 28,000 tons used in biomass power plants in the Belluno area to generate electricity were not correctly declared and had a different origin than stated. As part of the investigation, two individuals, a company owner and an employee, were charged with fraud.

25.02.2022, www.ildolomiti.it

[Link to source](#)

5 Other waste streams

5.1 Other organic waste treatment

This category is not being tracked any more.

5.2 Landfills

No news in this category this week.

5.3 C&D, hazardous, sewage sludge incineration and others

Australia / Tasmania invests in tyre recycling

The Tasmanian State Government provides AUD 4 million (EUR 2.7 million) of funding for the tyre recycling and crumb rubber industry in the state. Crumb rubber, produced from recycled truck tyres, is being used in road resurfacing, but the crumbing currently still takes place on the mainland, in Victoria. According to the source, the investments should help to increase the use of crumb rubber in Tasmania in order to make the construction of a crumbing plant viable.

27.02.2022, www.examiner.com.au

[Link to source](#)

Sweden / Ragn-Sells' fly ash recycling plant to start in H2

Swedish district heating producer Söderenergi is partnering with environmental company Ragn-Sells for the disposal of 25,000 tpy of fly ash. The waste is to be disposed of at Ragn-Sells' facility in Upplands-Bro, Stockholms län, which is currently under development. The plant will be put into operation during the second half of 2022 and will have the capacity to process 150,000 tpy of fly ash. In Sweden, 300,000 tpy of fly ash is produced from 7 million tpy of waste being recovered. The new plant will be using the so-called Ash2Salt technology, developed and patented by Ragn-Sells' subsidiary EasyMining. In its facilities, Söderenergi is converting 1 million tpy of waste into energy.

23.02.2022, www.soderenergi.se

[Link to source](#)

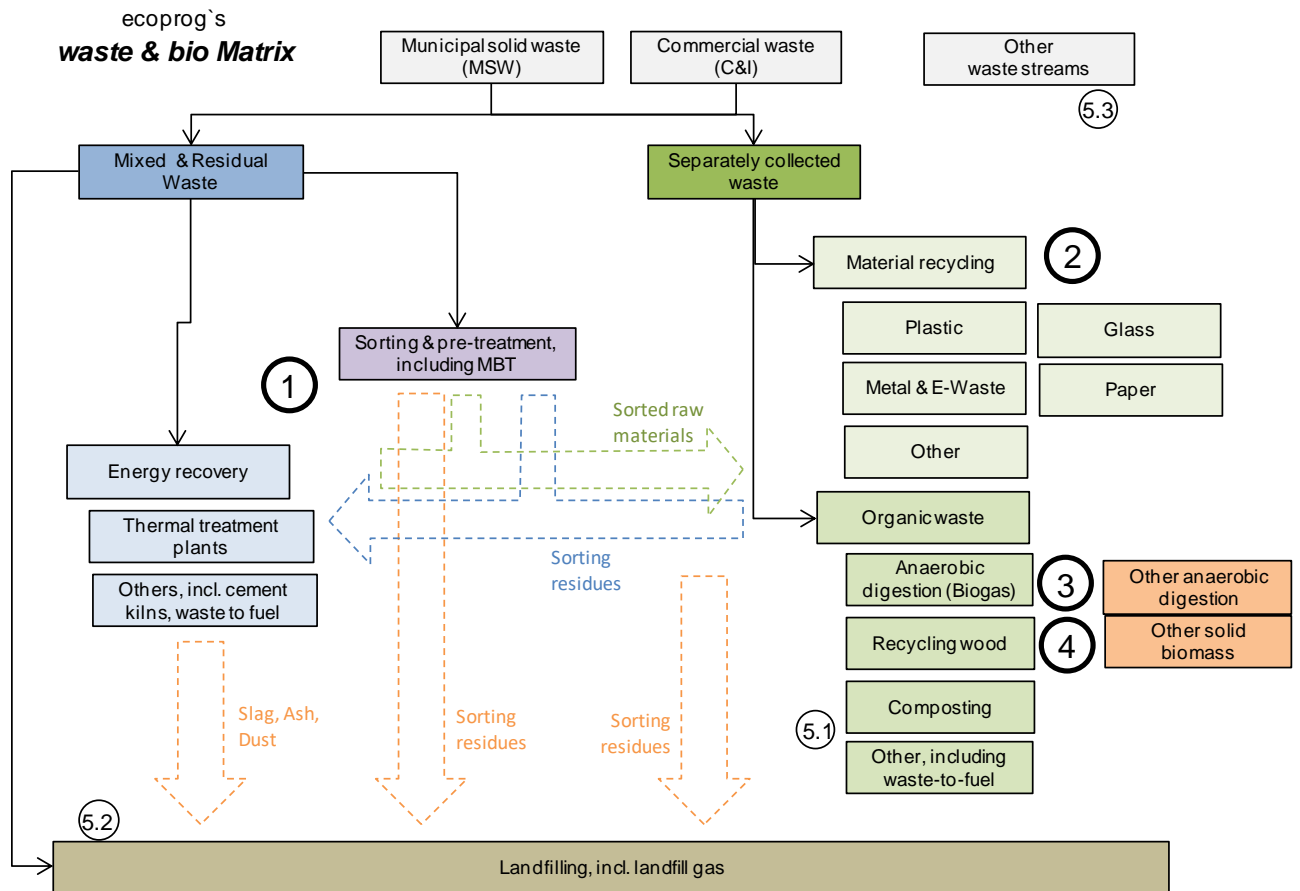
USA / Convalt plans solar panel recycling facility in Maine

Convalt Energy might build a solar panel recycling facility in East Millinok, Maine. The plant would be built in connection with a USD 5 billion (EUR 4.5 billion) power generation and transmission project planned by Convalt Energy. The solar panel recycling facility would be developed at the former East Millinocket mill. Convalt Energy has signed an agreement with the Katahdin Region Economic Development Corp. and the Lincoln Lakes Innovation Corporation to collaborate on the whole project. However, it is still in an early stage and also still needs state and federal permits.

25.02.2022, www.mainepublic.org

[Link to source](#)

Methodology



ecoprogram's **waste & bio Infrastructure Monitor** focuses on infrastructure projects and related news in the waste and bioenergy business according to the following system:

1
Plants for the treatment of mixed waste streams from households and businesses. This includes all mechanical technologies or biological treatment technologies. It also includes energy recovery plants, e. g. thermal treatment plants (Waste-to-Energy plants), RDF plants and cement kilns.

2
Plants for the (further) sorting of waste streams to produce secondary raw materials that can be used by the original industry, e. g. plastic granulate for producers of plastic.

3
Anaerobic digestion plants (biogas plants). Due to the similar technology, this chapter also regards non-waste fuels, such as agricultural feedstocks.

4
Solid biomass power plants. Due to the similar technology, this chapter also regards non-waste fuels, such as untreated wood, black liquor or bagasse.

5
Other treatment plants for organic waste, such as composting plants; landfill gas and large landfill projects; infrastructure for non-MSW and non-C&I waste streams, such as hazardous waste or construction & demolition waste.

General information

ecoprolog's *waste & bio Infrastructure Monitor* is a weekly media monitoring service with a focus on the global waste and bioenergy industry. It reviews scientific, press and online sources related to the waste and bioenergy business in more than 20 countries and languages worldwide.

ecoprolog's *waste & bio Infrastructure Monitor* is compiled and issued by ecoprolog GmbH, a management consultancy in the environment and energy business.

If you should have any queries, suggestions or proposals, please feel free to contact us at any time.

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All figures, information and statements have been thoroughly researched, but we accept no liability for their correctness. Solely the statements in the complete articles of the given sources are valid.

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