

### The power of green innovation

#### INTERVIEW



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# 1. What are the challenges that the environmental and energy transition must address?

The environmental transition has begun, and its momentum is reshaping both our models of production and consumer behaviour. Taking environmental issues into account is a matter of economic reality, a matter of significantly reducing our environmental impact, **reducing our reliance on raw materials and fossil fuels**, and in doing so increasing economic resilience.

The urgency of this transition comes first and foremost from the need to **preserve the environment for future generations**, a critical issue that is well-understood by the public opinion and championed by youth. This goal calls for reducing our CO<sub>2</sub> emissions, and thus for **decarbonising the economy**. However, deploying **green solutions** quickly is the key challenge when it comes to bringing about change faster than expected and achieving the transition to a sustainable economy.

The geopolitical upheaval in Eastern Europe, and the unprecedented energy crisis that has ensued, are significantly perturbing the EU's economy and increase the desire for **energy independence**. Caught by this emergency, Europe is seeking an alternative to Russian gas, which is to say for 40% of its energy needs. The REPowerEU<sup>2</sup> plan, which the European Union published in May 2022<sup>3</sup>, is in fact an **emergency plan for accelerated decarbonisation**. The Ukrainian crisis is shaking up energy policies, destabilizing companies and leading to an acceleration in the implementation of solutions, faster and stronger, to overcome the energy crisis. The ambition to decarbonize the European economy in the long term is significantly strengthened by an accelerated search for ways to reduce fossil fuels in order to achieve energy independence.

Decarbonisation, energy independence and accelerated transition, all three of these issues raise the question of how to finance companies that offer highly innovative alternative solutions to meet these challenges. We believe these companies are critical to winning on both the economic and environmental fronts. We are witnessing the emergence of new solutions and innovations that will, we believe, play a prominent role in accelerating the transition.

And it is precisely these providers of sustainable solutions that we seek to finance with the Mirova Europe Environmental Equity Strategy<sup>4</sup>, whatever their size.

We finance both established leaders of the transition and small start-up firms. As shareholders of major leaders, we take our role as long-term investors seriously. Thanks to the dividends generated (132 million euros between 2019 and 2022<sup>5</sup>), we can also play our role in supporting a pool of solution-creators with an acute need for financing.

We aim to help accelerate the environmental and energy transition: working to preserve biodiversity, promote decarbonisation and enable energy independence. Finding the financing to achieve all this is a major issue, especially for emerging companies.

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<sup>2.</sup> https://ec.europa.eu/commission/presscorner/detail/en/IP\_22\_3131

<sup>3.</sup> https://www.novethic.fr/actualite/energie/transition-energetique/isr-rse/panneaux-solaires-ob-ligatoires-sur-les-toits-procedures-d-autorisation-simplifiees-efficacite-energetique-pour-se-pas-ser-du-gaz-russe-la-commission-europeenne-releve-ses-objectifs-150797.html

<sup>4.</sup> All investments involve risk, including risk of capital loss and sustainability risks.

<sup>5.</sup> Source: Mirova, timeline from 01/01/2019 to 08/31/2022. Past performance is not a reliable indicator of future performance.

### 2. How do you go about financing these small and mid-sized companies? What proportion of the portfolio do they represent?

We have always had a pocket for mid-caps (companies with a market capitalisation of €2 billion to €6 billion), but we wanted to maximise our impact by increasing financing for companies for which it is critical. To do so, we launched a small-cap pocket (companies with a market capitalisation under €2 billion) about three years ago.

In figures, midcaps represent 11% of the portfolio, while small-caps made up 5.4% as at August, 31st of 20226. These securities cover a range of themes, including renewable energy, bio-based solutions and waste recycling.

Within the small-cap pocket, we support companies through a variety of mechanisms; these include assisting with IPOs and capital fundraising (€107,3 million) on the one hand, and on the other, support on the market (€19,4 million). These companies constitute a technology pool that we believe demonstrates the power of green innovation. We believe it essential to finance the emerging players driving disruptive technologies at the stage when they need it most, at the beginning of their growth phase. In doing so, we hope to encourage and support the development of new means of production and the new human capabilities critical to their success. We act as cornerstone investors, supporting the development of small innovative companies over the long term and providing them with stability and shareholder visibility.

### Small-cap companies serving green innovation

- >€2 bn
- ▶ Types of financing: IPO and capital increases (€107.3 million) and support on capital markets (€19.4 million): €126.7 million in total as of 08/31/2022
- ▶ 5.4% of portfolio as of 08/31/2022













**Sustainable Resource** Management

Clean Mobility

Renewable **Energy** 

**Energy Efficient Industry** 

Building

Source: Mirova as of 08/31/2022. The data provided corresponds to the situation as of 08/31/2022 and is subject to change without notice.

Are there examples of such smallcapitalisation firms you can share with us?

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Waga Energy: a circular approach to biomethane production in the service of energy independence

Worldwide, the growth in waste consigned to landfills is expected to accelerate sharply - from two billion metric tonnes of household waste annually in 2016 to 3.4 billion tonnes in 20507. To address this issue, Waga Energy offers a solution featuring several advantages, both logistical and environmental. Waga Energy is a company specialised in the production of biomethane, using an innovated process to capture and purify harmful gasses from landfill sites in an approach consistent with a circular economy.

This disruptive technology was developed starting in 2007 within the corporate structure of Air Liquide by the three engineers who founded Waga Energy. The solution offered is relevant from an environmental perspective, thanks to its contributions to reducing greenhouse gas (GHG) emissions, waste reclamation and resource preservation, and also from a social and economic point of view, by producing renewable energy at competitive prices. Furthermore, in the context of war in Ukraine, it helps to partially address

<sup>6.</sup> Source: Mirova as at 08/31/2022

<sup>7.</sup> Source: World Bank

the need for energy autonomy, since it is produced locally and connected to local networks. We see the strategy as here perfectly aligned with the latest objectives of the REPowerEU<sup>8</sup>.

## Afyren: a sustainable and innovative approach to the chemicals industry

Created in 2012, Afyren is a sustainable chemicals company offering innovative solutions designed from the start with a circular economy in mind. Afyren is able to offer consumer industries (food, cosmetics) a bio-sourced alternative that fully partakes of a circular philosophy and uses non-food biomass, namely beet pulp and molasses, which are sugar-beet by-products, to produce molecules that avoid competing directly with human food sources.

The technology Afyren has developed, unlike that of other players working on bio sourced solutions, is based on non-GMO fermentation. This natural fermentation requires no modification to the micro-organisms' DNA. This simpler fermentation process reduces production costs at scale and constitutes a convincing sales pitch for demanding clients averse to the use of GMOs. The production process rests on the group's know-how, especially its ability to select the right organisms, and on nine separate families of internationally registered patents and a tenth application currently underway. This highly innovative technology makes it possible to produce carboxyl chain molecules, replacing petro-sourced molecules, while being cost competitive.

## Entech: a key player in the green energy value chain

Founded in 2016, Entech is making a place for itself at the heart of new electrical systems, serving renewable energy developers and operators.

The company designs and installs key technologies (storage, electrical conversion, smart controls) that facilitate the ever-growing integration of renewable energy into the energy mix. The company offers customers turnkey solutions covering renewable energy production, storage (batteries or hydrogen), conversion and control of the entire structure to optimise its efficiency and customers' return on investment. Taking an agnostic approach, whether in the design of the project or choosing the most suitable components according to performance constraints, and couples these with its proprietary software for intelligently controlling all the elements and offering added value to the network manager. Their offer also makes it possible to meet the onsite consumption needs of industrial and commercial facilities. Thanks to an increasing industrialisation of its offer and the design of new standards, Entech is experiencing very strong growth in its activity (+121% in 2021)10. In addition, the company is working on the second life of batteries, to better optimise their use. The company's key position on the green energy value chain opens up prospects for significant growth and value creation.

<sup>8.</sup> https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal/repowereu-affordable-secure-and-sustainable-energy-europe\_en

<sup>9.</sup> Genetically Modified Organism

<sup>10.</sup> Source: Entech

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