



Libourne, Paris, July 5, 2021

## Fight against climate change:

### **SUEZ Group and FERMENTALG have created “CarbonWorks”, a company specializing in the capture and recovery of CO<sub>2</sub> thanks to micro-algae**

In line with the announcement made last January, SUEZ and FERMENTALG have created a joint venture to accelerate the development and sale of solutions for the capture and bioconversion of CO<sub>2</sub> (Carbon Capture and Utilization or CCU) by micro-algae photosynthesis. Named “CarbonWorks,” this joint venture, owned equally by the two Groups, is developing a new industrial photobioreactor standard. In the long-term, the joint venture will be capable of capturing several thousand tons of CO<sub>2</sub> at the source of emission, and of producing equivalent quantities of algae biomass intended in priority for the agricultural biocontrol as well as human and animal food markets.

CarbonWorks is a major player in ecological transition, notably due to its intensive micro-algae photosynthesis systems. It aims to offer industries the ability to recover their CO<sub>2</sub> emission in bioproducts. The joint venture will develop in small loops, within the circular economy ideal, biocontrol products, biopesticides and bioproteins, reducing the environmental footprint of certain agricultural products.

CarbonWorks benefits from the expertise and heritage resulting from the partnership initiated between SUEZ and FERMENTALG in 2015. It will have access to FERMENTALG's biological library (more than 2,300 micro-algae strains), privileged access to specific CO<sub>2</sub> sources from SUEZ sites and/or customers, a portfolio of 6 patent families and a team of experts from the two Groups.

#### **An industrial demonstrator from 2021**

CarbonWorks will roll out its first industrial demonstrator at the Pot-Au-Pin Énergie site in Cestas (Gironde), in the third quarter of 2021. This demonstrator of about ten m<sup>3</sup> will be used to capture the CO<sub>2</sub> emitted by its agricultural methanation unit and its conversion into biocontrol products (natural fungicide for vines). This project supported by the Nouvelle-Aquitaine region has also been identified by Bpifrance in the framework of the Future Investments Program (PIA) and received the structural competitiveness project (PSPC) label<sup>1</sup>.

#### **A team led by specialists in environmental solutions and a programmed entry of new investors**

CarbonWorks is based on FERMENTALG's site in Libourne (Nouvelle-Aquitaine, France). It is managed by Guillaume Charpy who is an ENSTA Paris Tech engineer, a graduate of Harvard Business School and a former auditor of the CHEE ENA (Postgraduate Course in European Studies). He has 30 years' experience in the field of environmental activities. The CarbonWorks Board of Directors is chaired by Philippe Lavielle, Chairman and Chief Executive Officer of FERMENTALG and is composed of members from SUEZ and FERMENTALG.

---

<sup>1</sup> FERMENTALG partners with Immunrise and Pot-Au-Pin Énergie to experiment the Carbon Sink in an ambitious circular economy project

At its creation, the company has assets of more than €5m with a cash flow of €1m and plans to get new shareholders within the framework of Series A financing. Discussions have been initiated and major investment funds specializing in ecological transition have already expressed their interest. CarbonWorks also plans to accelerate its development through different national and European innovation support programs.

**Philippe Lavielle, FERMENTALG CEO:** *“In creating CarbonWorks, we chose an independent structure that could combine the agility of a start-up with the substantial legacy of all the work undertaken these past 5 years as part of the FERMENTALG-SUEZ partnership. Our ambition is to put the full power of micro-algae at the service of industrial decarbonation by offering disruptive technological solutions adaptable to various industrial configurations.”*

**Diane Galbe, SUEZ Group SEVP, in charge of Strategy and the Smart & Environmental Solutions global Business Unit:** *“Climate change is a reality in our daily lives and requires accelerating both technological and partnership innovations. CarbonWorks combines the experience and solutions of SUEZ—in terms of environmental infrastructure and CO<sub>2</sub> recovery—with the know-how of FERMENTALG in research and bioindustrial exploitation of micro-algae, to offer sustainable solutions starting now and to preserve our planet.”*

>> **Website: [carbonworks.bio](http://carbonworks.bio)**

### **Contacts:**

#### **FERMENTALG**

##### **Press**

Anne Catherine Bonjour  
ACTUS finance & communication  
+33 (0)1 53 67 26 93  
[acbonjour@actus.fr](mailto:acbonjour@actus.fr)

##### **Analysts**

Jérôme Fabreguettes-Leib  
ACTUS finance & communication  
+33 (0)1 53 67 36 78  
[fermentalg@actus.fr](mailto:fermentalg@actus.fr)

#### **SUEZ**

##### **Press**

Isabelle Herrier Naufle  
+33 (0)6 83 54 89 62  
[isabelle.herrier.naufle@suez.com](mailto:isabelle.herrier.naufle@suez.com)

##### **Analysts**

Cécile Combeau/Baptiste Fournier/Julien Minot  
+33 (0)1 58 81 55 71 / 54 85 / 37 09

#### **FERMENTALG**

*An expert in the research and operation of bioindustrial micro-algae, FERMENTALG aims to offer sustainable solutions and innovative products which contribute to the development of healthy, natural and efficient products. Our business: the development, production and marketing of sustainable and active solutions from micro-algae for nutrition, health, and the environment. Nutritional oils, alternative proteins, natural food colorings and innovative environmental solutions make up the current and future offering of our Group. The FERMENTALG share, listed on Euronext in Paris (FR0011271600 – FALG), is eligible for the "PEA-PME" and the "SRD long-only." It is part of the Gaia index, intended for Socially Responsible Investment (SRI), which groups together the SME-ETIs that have received the best ratings in terms of environmental, social and governance (ESG) performance. For further information: [www.fermentalg.com](http://www.fermentalg.com)*

#### **About SUEZ**

*Since the end of the 19th century, SUEZ has built expertise aimed at helping people to constantly improve their quality of life by protecting their health and supporting economic growth. With an active presence on five continents, SUEZ and its 90,000 employees strive to preserve our environment's natural capital: water, soil, and air. SUEZ provides innovative and resilient solutions in water management, waste recovery, site remediation and air treatment, optimizing municipalities' and industries' resource management through "smart" cities and improving their environmental and economic performance. The Group delivers sanitation services to 64 million people and produces 7.1 billion m<sup>3</sup> of drinking water. SUEZ is also a contributor to economic growth, with more than 200,000 jobs created directly and indirectly on an annual basis, and a provider of new resources, with 4.2 million tons of secondary raw materials produced. By 2030, the Group is targeting 100% sustainable solutions, with a positive impact on our environment, health and climate. SUEZ generated total revenue of €17,2 billion in 2020.*

Find out more about the SUEZ Group  
on the website & on social media



#### **SUEZ**

Head Office: Tour CB21 - 16, Place de l'Iris, 92040 Paris La Défense Cedex, France - Tel: +33 (0)1 58 81 20 00 - [www.suez.com](http://www.suez.com)

Limited Liability Company with a share capital of €2,513,450,316 – Siren (French business administration number) 433 466 570 RCS Nanterre – VAT FR 76433 466 570