



So.F.Invest.
s.r.l.

HYDROGEN: THE FUEL OF THE FUTURE

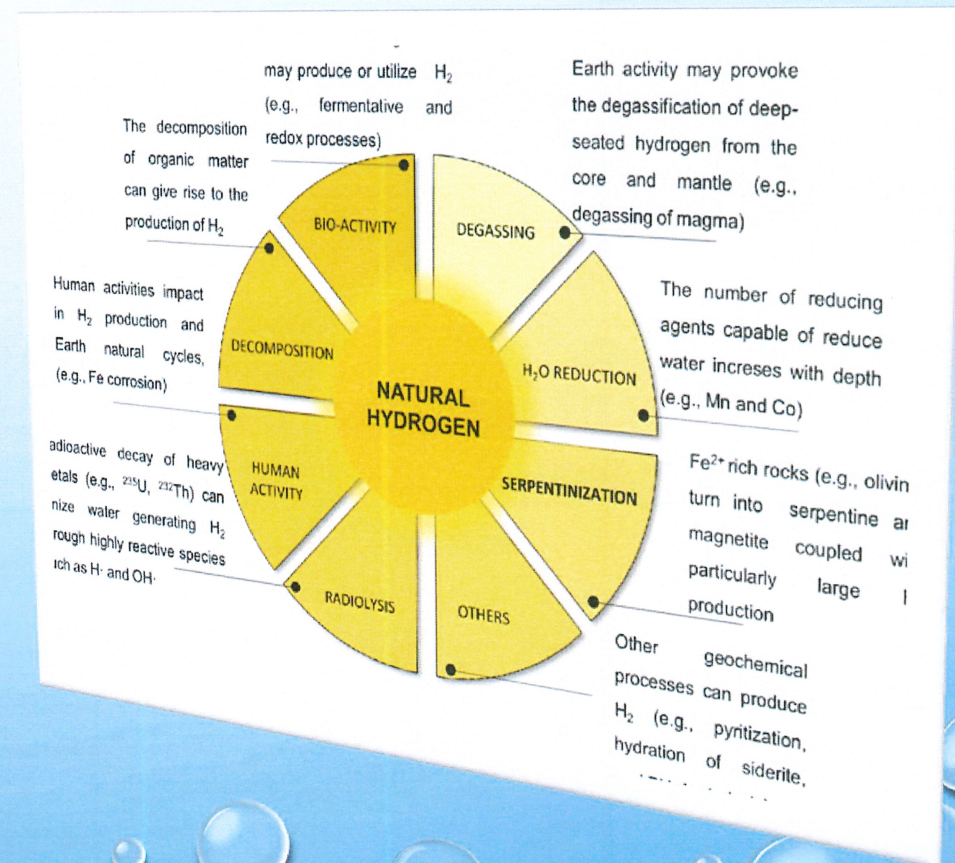
THE HYDROGEN CHALLENGE FOR THE EUROPEAN COMMUNITY

- THE EU HAS COMMITTED TO ACHIEVING **CLIMATE NEUTRALITY** BY 2050, I.E. ACHIEVING NET ZERO GREENHOUSE GAS EMISSIONS. THIS ABSOLUTE REQUIREMENT WAS ESTABLISHED IN EU LAW BY THE EUROPEAN CLIMATE LAW¹, ADOPTED IN 2021. THIS ALSO SET AN **INTERMEDIATE MILESTONE** OF A **NET REDUCTION IN EMISSIONS OF AT LEAST 55% BY 2030** COMPARED TO 1990 LEVELS.
- TO ACHIEVE THIS TARGET, THE SECTORS WITH THE HIGHEST GREENHOUSE GAS EMISSIONS MUST BE **DECARBONIZED**:
 1. TRANSPORT OF ALL TYPES AND IN ANY WAY
 2. ENERGY SUPPLY
 3. INDUSTRY
 4. AGRICULTURE.



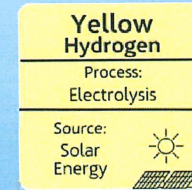
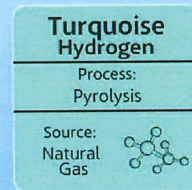
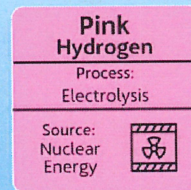
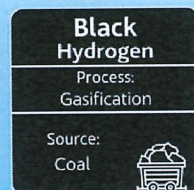
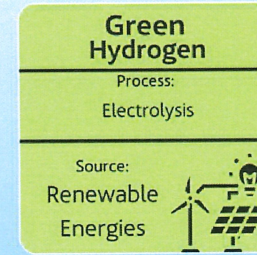
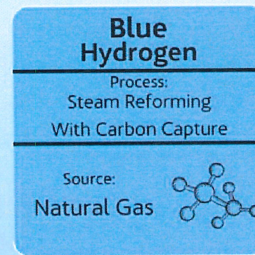
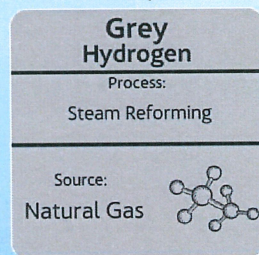
UNDERSTANDING HYDROGEN

- HYDROGEN - IN FACT - IS NOT PRESENT ON THE EARTH'S SURFACE. THEREFORE, IT CANNOT BE CONSIDERED AN ENERGY SOURCE, BUT ONLY A VECTOR, THAT IS, A MEANS OF STORING ENERGY, ALLOWING ITS TRANSPORT, DISTRIBUTION AND USE.
- ON EARTH IT EXISTS IN LARGE QUANTITIES AS ITS PRESENCE IN COMPOUNDS. TO OBTAIN IT, THEREFORE, EXTRACTION METHODS ARE NECESSARY IN WHICH ENERGY IS REQUIRED, THROUGH PROCESSES THAT IMPACT THE ENVIRONMENT.



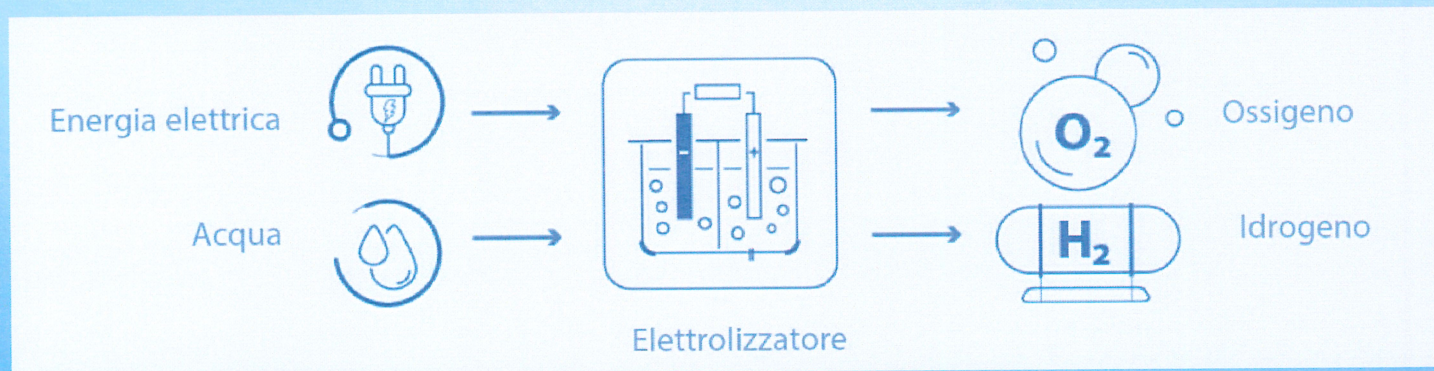
UNDERSTANDING HYDROGEN

- HYDROGEN IS NOT TECHNICALLY A "RENEWABLE" ENERGY VECTOR, BUT IT IS CERTAINLY "SUSTAINABLE", BUT ITS SUSTAINABILITY DEPENDS ON HOW IT IS PRODUCED:
 - **GRAY** HYDROGEN IS PRODUCED USING FOSSIL FUELS, WITH THE RELEASE OF CARBON DIOXIDE INTO THE ATMOSPHERE
 - **BLUE** HYDROGEN IS OBTAINED FROM NATURAL GAS USING THE CAPTURE OF CARBON DIOXIDE PRODUCED BY REFORMING,
 - **GREEN** HYDROGEN IS PRODUCED USING EXCLUSIVELY RENEWABLE ENERGY,
 - (**OTHERS TYPE LIKE PICTURE**)

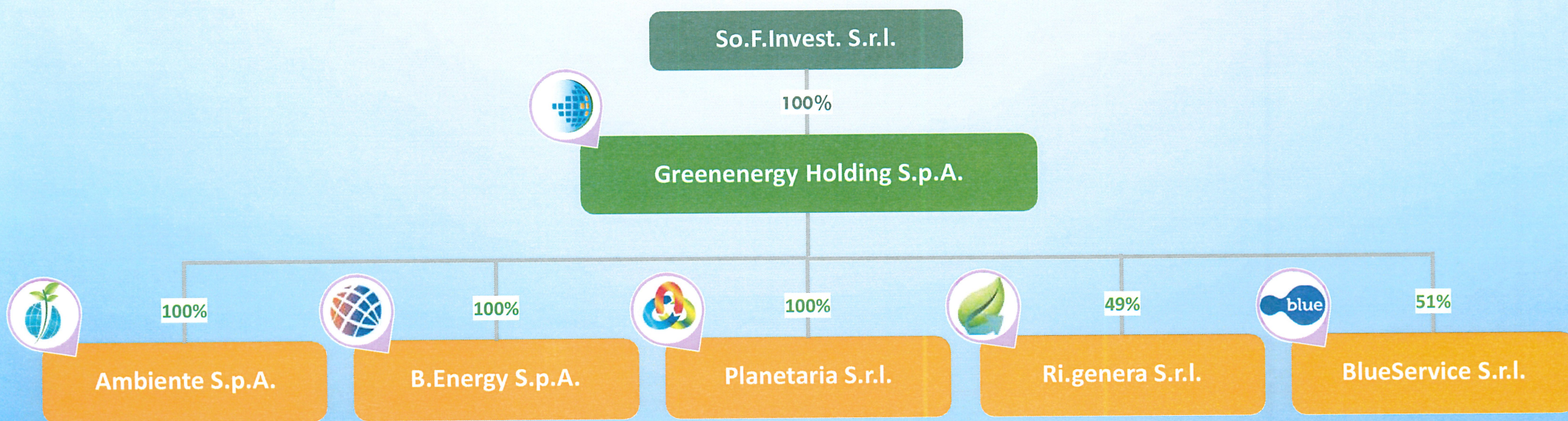


PRODUCTION OF GREEN HYDROGEN BY WATER ELECTROLYSIS

In July 2020, the Commission published a Communication outlining for the first time an EU hydrogen strategy, defining a strategic roadmap on the production, distribution and uptake of the use of so-called **green hydrogen** and setting quantifiable non-binding targets for the production of renewable hydrogen in the EU. It is clear that this strategy needs **adequate support in particular during the transition phase**.



THE HOLDING



GREENENERGY HOLDING S.P.A.

GREENENERGY HOLDING IS ONE OF THE LEADING GROUPS (WITH EXCLUSIVELY PRIVATE CAPITAL) IN WASTE MANAGEMENT. THE COMPANIES IN WHICH IT HOLDS 100% OF THE SHARE CAPITAL HAVE ALSO BEEN OPERATING IN THE FIELD OF WASTE MANAGEMENT FOR MORE THAN 40 YEARS, AND IS ABLE, BY SYNERGISTICALLY EXPLOITING THE SKILLS OF THE COMPANIES THAT COMPRISE IT, **TO START ALL TYPES OF WASTE, WHETHER LIQUID OR SOLID, OF CIVIL OR INDUSTRIAL ORIGIN, ON THE DISPOSAL AND RECOVERY CHAINS.**

THE GROUP OPERATES THROUGHOUT THE COUNTRY WITH AN INTEGRATED APPROACH TO THE TRANSPORT, TREATMENT AND VALORIZATION OF WASTE AND HAS A SECTOR DEDICATED TO THE REMEDIATION OF CONTAMINATED SITES.

OWNING HIGHLY ADVANCED WASTE SELECTION, RECOVERY AND DISPOSAL PLANTS, THE GROUP IS POSITIONED AMONG THE TECHNOLOGICAL **LEADERS IN THE SECTOR.** THE COMPANY GREENENERGY HOLDING S.P.A., FOUNDED IN 2015, IS AN INDUSTRIAL HOLDING COMPANY AT THE HELM OF THE GROUP THAT PARTICIPATES IN THE SHARE CAPITAL OF FIVE COMPANIES, THREE OF WHICH ARE 100% OWNED BY THE SUB HOLDING.

THE COMPANY APPLIES ESG CRITERIA IN ITS INDUSTRIAL STRATEGY AND PUBLISHES ITS SUSTAINABILITY REPORT ON AN ANNUAL BASIS.





With 32 years of experience in the sector and a strong sensitivity towards the environment, it is the Holding's answer to the selection of materials and the management of separate waste collection. The selection system is equipped with readers controlled by sophisticated software, specifically created for the purpose and corresponding to the best state of the art existing today, which achieves high quality performance with significant energy savings related to operating conditions. Useful studies have already been started for the possible application of AI in the system. A photovoltaic system capable of ensuring coverage of 25% of energy needs is in operation.

The company is a founding member of the Global Compact Italy and issues its own Communication On Progress on the United Nations website and is also a founding member of the Foundation for Sustainable Development.





Thanks to high operational standards, it has been a leader in the environmental remediation sector and in the treatment of liquid waste for 36 years. The company manages its own liquid treatment plant that allows it to offer effective management of each individual phase of the process. The company has an operating photovoltaic system that is capable of providing over 50% of its energy needs.





This company collects, transports and sends for recovery or disposal all types of waste material, pursuing the optimization of logistics services. Since 1999 it has been able to offer an integrated approach in the management of interventions, with specific skills and a cutting-edge fleet of vehicles.



SO.F.INVEST.: INVESTMENTS FOR BUSINESS

Potenzialità del Sito | 4

Superficie complessiva di circa 37.000mq, di cui circa 500 mq coperti e 22.500 mq scoperti.



Centralità rispetto agli assi viari principali della zona.

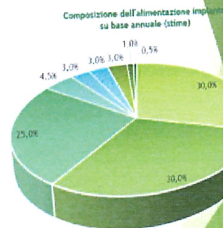


La distanza dal PC disponibili almeno medesima distanza agevolmente anche Centrale).

Analisi del Business | 1

Si ci propone la riattivazione dell'impianto secondo la sua originaria destinazione, per il trattamento di rifiuti di provenienza industriale e civile.

	Composizione dell'alimentazione su base annuale (t/anno)
16 - rifiuti non specificati altrimenti (sol. acque e prodotti fuori specifici)	10,0%
19 - rifiuti prodotti da impianti di trattamento acque e altri rifiuti	10,0%
20 - rifiuti urbani	15,0%
02 - rifiuti da industria alimentare	4,5%
08 - rifiuti contenenti idrocarburi e vernici	3,0%
11 - rifiuti prodotti da processi idrotermici	3,0%
12 - rifiuti da trattamento e pulizia di metalli e plastica	1,0%
13 - oli esauriti (emulsioni chiose)	0,5%
Altri	100,0%



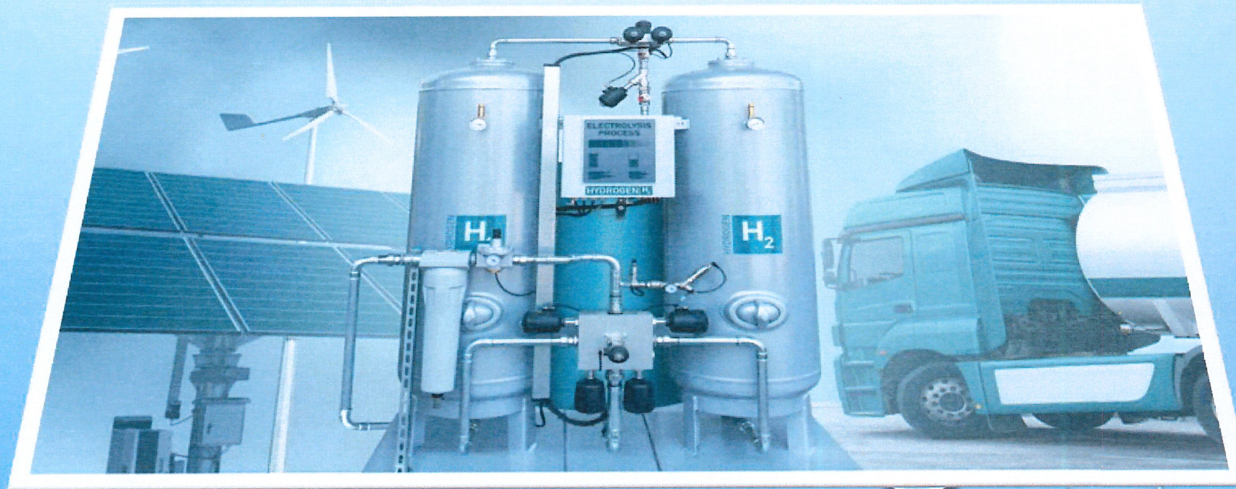
Base di calcolo

Media rifiuti trattati/giorno [ton]	2000,00	su 240 gg. lavorativi
Totale rifiuti liquidi trattati [ton/anno]	520000,00	

- IN THE IMMEDIATE **PRE-COVID** PERIOD, SO.F.INVEST. PURCHASED A **WATER TREATMENT PLANT** IN A DISUSED INDUSTRIAL AREA WITH THE IDEA OF PUTTING IT BACK INTO OPERATION **TO SERVE THE GROUP'S BUSINESS**.
- THE **POST-COVID** PERIOD OFFERS, THANKS TO THE RENEWED EUROPEAN PUSH TO RELAUNCH THE STAGNANT ECONOMY, DIFFERENT OPPORTUNITIES.
- IN PARTICULAR, FUNDS WERE MADE AVAILABLE BY THE EU FOR THE REDEVELOPMENT OF TERRITORIES WITH PARTICULAR ATTENTION TO INDUSTRIAL AREAS WITH THE PRESENCE OF PLANTS NO LONGER IN PRODUCTION ACTIVITY, IN ORDER TO HAVE A RAPID AND LASTING ECONOMIC RECOVERY. ONE OF THE SECTORS INVOLVED WAS THE **ENERGY SECTOR**.
- SO.F.INVEST. PARTICIPATES IN THE **PNRR** CALL FOR TENDERS FOR THE **PRODUCTION OF GREEN HYDROGEN IN DISUSED INDUSTRIAL AREAS** (MINISTERIAL DECREE OF 21 OCTOBER 2022 N 463).

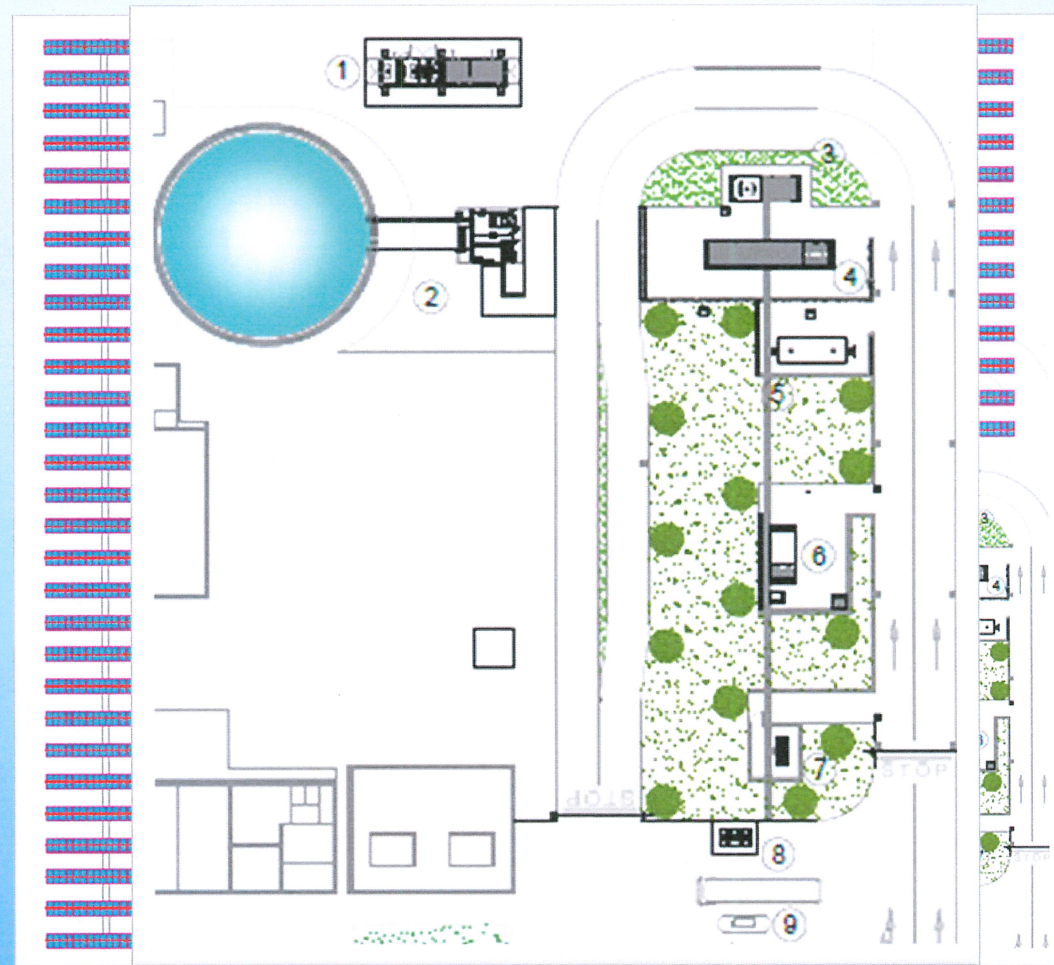
HYDROGEN VALLEY SO.F.INVEST.

- THE SO.F.INVEST. GROUP OWNS 100% OF THE SHARE CAPITAL OF GREENENERGY HOLDING, A SUB-HOLDING AND OWNER OF A GROUP OF COMPANIES SPECIALIZED IN **WASTE MANAGEMENT**: FROM THE COLLECTION, SELECTION AND TREATMENT OF SOLIDS AND LIQUIDS, **WITH A LARGE AND DIVERSIFIED FLEET OF VEHICLES FOR EVERY NEED.**
- THE PROJECT AIMS TO INCREASE THE **SUSTAINABILITY OF WASTE TRANSPORTATION** BY REDUCING EMISSIONS DUE TO THE USE OF **GREEN HYDROGEN AS FUEL.**
- FOR THIS REASON, THE INSTALLATION OF AN **H₂ DISPENSER** CAPABLE OF DISPENSING AT A PRESSURE OF **350 BAR AND 700 BAR** WITH A CHILLER TO PRE-COOL THE HYDROGEN AT HIGH PRESSURE BEFORE ITS INTRODUCTION INTO VEHICLES HAS BEEN PLANNED.



FROM PROJECT TO WORK - EXECUTIVE PHASE





The background is a vertical blue gradient, transitioning from a very light, almost white blue at the top to a deeper, more saturated blue at the bottom. Scattered along the top and bottom edges are several realistic water droplets of varying sizes. These droplets have highlights and shadows, giving them a three-dimensional appearance as if they are sitting on a surface.

Thank you