

	RESEARCH AND DEVELOPMENT	HYDROGEN REFUELING STATION	POWDER PRODUCTION	MIXER ASSEMBLY
1. LOCATION SPECIFICATIONS What are the context and challenges of the project?	This site will serve as the headquarters of H2 Power in the country, possibly Europe, and develop the design of hydrogen stations using blenders, and the industrialization of the production of aluminum powder, all to European standards and with European suppliers.	The demo site would consist of installing the H2 power equipment which will mix water and aluminium powder to produce 1,600kg of hydrogen per day onsite, and all the necessary components to a fully commercial hydrogen refueling stations. This site will be used for process improvements, testing, and demonstration purposes for prospective customers, suppliers, and partners. The goal is to make this site also commercially operational.	H2 Power provides several production sites for its aluminium and etain powder with an annual capacity of 70,000 t to start. This site will be used for process improvements, testing, and demonstration purposes for suppliers and partners.	H2 Power plans a single assembly plant for its blenders in Europe. It will serve the European market as a whole.
Budget (estimated)	€ 6,000,000	€ 10,000,000	€ 104,000,000	€ 19,000,000
General environment For the location of your future site, do you want to: <ul style="list-style-type: none"> • A specific industrial environment, if so which one? Other specific criteria: For the location of your future site, do you want to: Do you need proximity <ul style="list-style-type: none"> • Motorway • Rail freight • TGV station • Sea / river port • Multimodal platform Other comments:	Proximity to metallurgical and organic analysis laboratories, and schools training potential employees. Close to the first demonstration sites, station and powder production. Site in campaign is certainly preferable for our researchers, and privacy. Yes Yes	The site should be close to H2 Power other facilities, with all the requirements necessary to be commercially viable. Yes	Many aluminum users ready to deliver their waste to us The proximity of roads is important for trucks transporting raw materials and aluminum powder Site in the countryside is certainly preferable to avoid noise, and possible vapors. A weakly urbanized environment Yes Easy access by road for heavy trucks	aluminum production; low energy prices; local network of potential subcontractors The proximity of motorways is important, especially if it is connected to the European network and to England. The proximity of a hydrogen station equipped by H2 Power and in operation is a necessity because this site could become a test site for H2 Power. A weakly urbanized environment Yes Yes Yes Yes optional Easy access by road for heavy trucks with trailers the size of a 40-foot container.

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2. LOCATION SPECIFICATIONS, Human resources and employment What is the estimate of the number of employees of your site: <ul style="list-style-type: none"> • At startup • 3 years after opening At startup and at 3 years, what distribution between: <ul style="list-style-type: none"> • Manual workers / Production operators • Logistics operators • Administrative employees • Middle management / Team leaders • Executives / Engineers Do you have specific skills needs? Do you consider specific work schedules: <ul style="list-style-type: none"> • Staggered hours • 7/7 • Night shift Do you have any specific training needs: Other specific needs:	19 Will depend on commercial development. 1 5 4 9 Skills required for team leaders and laboratory technicians in the following areas: aluminium recycling; automatisms; methods of manufacture from aluminium; aluminum packaging; development of equipment; experience plans; digital modeling; experimentation assembly; industrialization of processes; manufacturing environment; gas environment (preferably hydrogen). No No No To be determined	3 5 2 1 Experience in gas station operations. No No No To be determined. To be determined.	114 342 90 / 270 8 / 20 6 / 20 7 / 25 3 / 7 Yes Yes Yes Maybe; not yet determined.	27 100 14 / 55 2 / 12 3 / 8 5 / 18 3 / 7 Skills for production industrial equipment: Maintenance, welders, machinists, assemblers, roboticist, electrician, quality control / safety Yes Yes Yes Perhaps; not yet determined. Normal hours at first. Other considerations: 2 production teams could be used to absorb an increase in production volume.

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