

ITALEAF: Established Numanova Srl, Newco in the field of advanced metallurgy and metal powders

The company will produce alloys and metal powders for Additive Manufacturing (3D printing) and the most advanced applications in areas such as aerospace, energy, mechanical, biomedical

- **Share capital equal to € 2.35 million, Board of directors composed by Stefano Neri (Chairman), Paul Folgarait (Executive Director and General Manager) and Corrado Giancaspro (CEO)**
- **Forecast investment of Euro 12 million, and production capacity of 500 tons/year of metal powder, expected operating staff of around 50 employees**
- **The production plant will be located in the Italeaf's industrial area at Nera Montoro (TR - Italy) and the company will have operating offices, representative and/or research centers in Milan, London and Hong Kong**
- **Planned transformation into joint stock company and the opening to third party investors. Signed agreement for technical and scientific cooperation and trade relations with leading international players in their respective sectors**
- **Towards the start of the authorization procedures**

Italeaf, holding company and first Italian company builder active in cleantech and smart innovation sectors, listed on NASDAQ OMX First North, following the press release issued to the market on 18 January 2016, announces the establishment of a new company called "Numanova Srl". The new start-up will be originated by the sharing of know-how and economic and financial resources between the co-founder represented by Italeaf SpA and dr. Paul Folgarait, physicist, owner of several patents in the metallurgical sector, manager with experience in the Lucchini group, the Allied International Group, in Franchini Steels and in Centro Sviluppo Materiali.

Numanova, established as a limited liability company, has a share capital of € 2.35 million and will have a governance model with a board of directors that will be formed by Stefano Neri, chairman, Paolo Folgarait, executive director and general manager, and Corrado Giancaspro, CEO, and a board of auditors.

The General Manager of Numanova, **Paolo Folgarait**, stated:

"The production of metal powders and the research and development activity to make new alloys are attracting interest and growing expectations on the global market. The versatility of the techniques of powder metallurgy can help to create complex and innovative metallic materials (and ceramic) and introduce new forms of production in advanced sectors with high added value. We believe, through the integration in the Italeaf group, to quickly develop an initiative of international value that meets the needs of highly competitive industries, which represent a new industry with high quality, standardization and innovation".

The founders have already anticipated the future transformation of the company into "joint stock company" and the opening of capital to third party investors, to encourage industrial growth, trade activity and internationalization.

BUSINESS SEGMENTS

Numanova will be active in the production of metal powders of high-quality from metal alloys, ferrous and non, for Additive Manufacturing (3D printing), Metal Injection Molding (MIM), Hot Isostatic Pressing (HIP) and the most advanced uses in areas such as aerospace, energy, mechanical, biomedical. The company will be equipped with the most advanced production technology of metal powders based on the principle of vacuum induction furnaces and atomizers inert gas ceramic-free. It will also be introduced technologies of plasma atomization. The

stages of development of the company, whose production unit will be located in the Italeaf's industrial of Nera Montoro (TR), will expect: within a very short time the start of the authorization from the competent authorities; the acquisition of production assets and facilities; their upgrading and the development of the certification and qualification; the ramp up of the production for the marketing of products.

INVESTMENT, PRODUCTION CAPACITY AND HUMAN RESOURCES

The investment plan of Numanova foresees biennial commitments totaling of Euro 12 million, with implications for employment up to speed (production in three shifts) for a total of 50 professional employees, including the human resources involved in the production, staff, sales, marketing, testing, quality, logistics, purchasing, administration, HR, HSE. The expected production capacity will be around 500 tons/year of metal powders for the field of Additive Manufacturing and for more advanced uses in areas such as aerospace, energy, mechanical, biomedical.

VISION INTERNATIONAL

The new initiative will use the productive opportunities and the corporate standing of Italeaf, a listed company on the international market at a higher technological content represented by the NASDAQ. Another strength is the Group global presence, allowing immediately to Numanova to have operating, representative offices and/or research centers in Milan, London and Hong Kong, within the Italeaf's hub at the HK the Science and Technology Park. Among the opportunities, there are also the Italeaf's facilities in the mechanical industry, activity in which the group will bring a decade of its expertise that can be repositioned in an innovative area with high growth prospects.

Numanova finally has concluded framework agreements for business collaboration and technical-scientific cooperation with world leaders in the design and production of systems Additive Manufacturing of metal powders and with companies operating in the metallurgical sector and has signed agreements with universities and research centers of national and international standing.

INNOVATION AND SUSTAINABILITY

The agreement between Italy and Mr. Paolo Folgarait will also allow the opening in the Nera Montoro industrial area of a research and development center, through the localization and the incubation of the innovative start-up Seamthesis. The activities of the task force in Nera Montoro will be particularly focused on R&D in the field of Alloy Design, metallurgy product and process, process modeling and development of product and innovative technologies for the production of metal powder for use in advanced manufacturing (eg. Additive Manufacturing, MIM, HIP, laser cladding) and surface engineering (eg. PTA).

From the point of view of sustainability and environmental contribution, Numanova will sustain the affirmation the emergence of a strongly improved business model. In particular, compared to a traditional metallurgical production, Numanova allow a reduction of the times of the internal processes of prototyping also up to 70%, a drastic reduction of the wastes (the metal powder not used for printing it can be reused after the reconditioning of powders) and, of primary importance, the possibility of making metal parts that were not possible with the

traditional methods. Numanova productions also contribute significantly to the reduction of energy consumption.

This press release is also available on the Company website: www.italeaf.com.

Certified Adviser

Mangold Fondkommission AB is the Certified Adviser of Italeaf on NASDAQ OMX First North.

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***Italeaf SpA**, established in December 2010, is a holding company and a business accelerator for companies and startups in the areas of innovation and cleantech. Italeaf operates as a company builder, promoting the creation and development of industrial startups in the fields of cleantech, smart energy and technological innovation. Italeaf has headquarters and plants in Italy at Nera Montoro (Narni), Terni, Milano and Lecce; has international offices in London and Hong Kong and a research and development centre in the Hong Kong Science and Technology Park. The company controls TerniEnergia, listed on the STAR segment of the Italian Stock Exchange and active in the fields of renewable energy, energy efficiency and waste management, WiSave in the "internet of things" field, for the development and production of thermostats and smart technologies for the remote control of electrical and heating items of buildings managed through a cloud infrastructure, and Skyrobotic, in the business development and manufacture of civil and commercial drones in mini and micro classes for the professional market, Numanova, operating in the field of innovative metallurgy and additive manufacturing and Italeaf RE, a real estate company.*