

# Venice 2019 - 2028 Electrification of the canal city



Following the COVID setback, in June 2021 a full international e-regatta (31 boats from 17 nations), electric boat parade and Electric Village and international seminar has been scheduled.

Mayor Brugnarò announced his Municipality's decision to invest €1.5 million into the conversion of the Venice fleet, 300K of which to encourage private boat owners to change their fossil fuel outboards for an electric equivalent.

With 131 million Euros from both the Veneto Region and Azienda Veneziana della Mobilità (AVM)/ACTV, as approved by the City Council, during the next few years, Venice's fleet of vaporetti will be replaced or retro-fitted to diesel-electric serial hybrid propulsion.

According to in-depth researches, the Venice infrastructure is not suitable for pure electric propulsion. Therefore 35 vaporetti will be converted to diesel-

# Venice • 2019 - 2028 • Electrification of the canal city

## Work Boats • Water Taxis • Charging Network



*Charging poles have been installed for boats in 'La Serenissima'*

electric and 28 new ones will be purchased. To this will be added a further investment of 154 million euros.

According to Renato Boraso, Assessore for Mobility and Transport of Venice and Mestre, "In 2 or 3 years all the boats in the Grand Canal will be green." To this will be added the construction of 116 floating pontoons (equipped with gangways) equipped with mooring systems for ferries, while on the land, electric buses and rental electric scooters will circulate in Lido and Pellestrina.

To this may be added a similar conversion for Bureau Veritas workboats. With this transition, the production of pollutants and the acoustic impact of the vehicles decrease considerably.

These contributions derive from specific national funds destined for the Regions in the two-year period 2018-2019 (DM n. 52/2018 and DM n. 397/2019) then attributed to the Municipality of Venice with a resolution of the Regional Council in March 2020.

While the Alilaguna transport company with Vizianallo shipyard of Venice have developed a 16m hydrogen fuel cell passenger ferry Hepic which is still waiting for approval by the Italian Navigation Authorities,

The Italian Government has also decided to invest €30 million into the provision of a fleet of electric boats from the source of the River Tiber to Rome, an application has been made to the EU's Recovery Fund for some €xx millions for the electrification of some 41 ports and retrofitting of a whole fleet of boats.