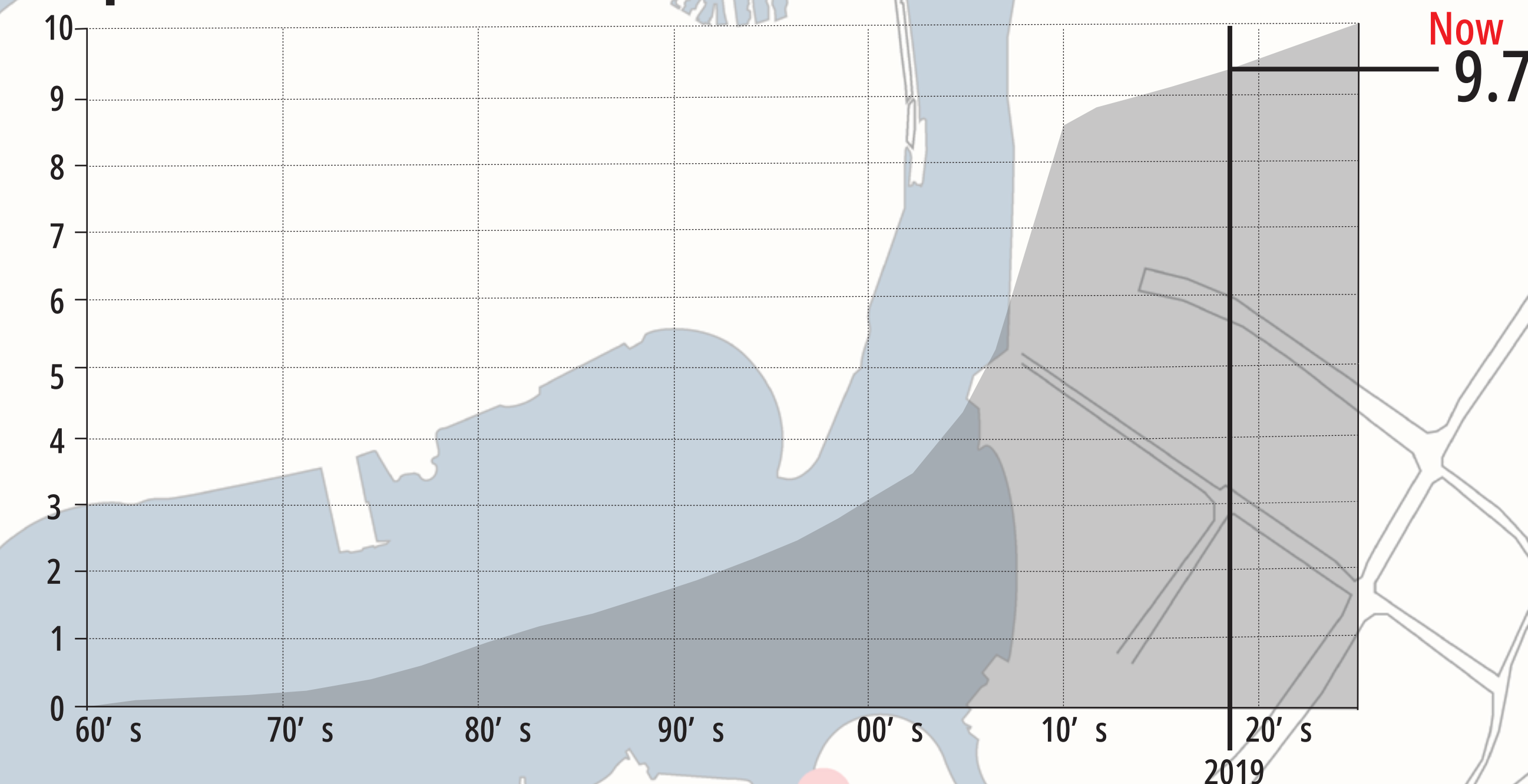


# POSILITRE

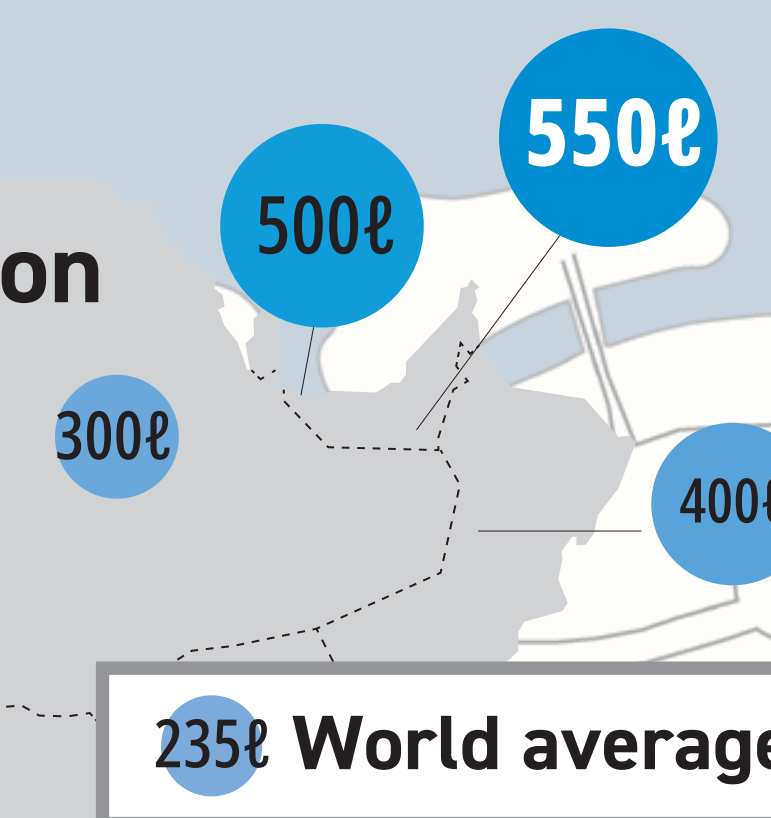
**30%**  
of  
power consumption is from  
**Water Desalination**

## Population transition of the UAE

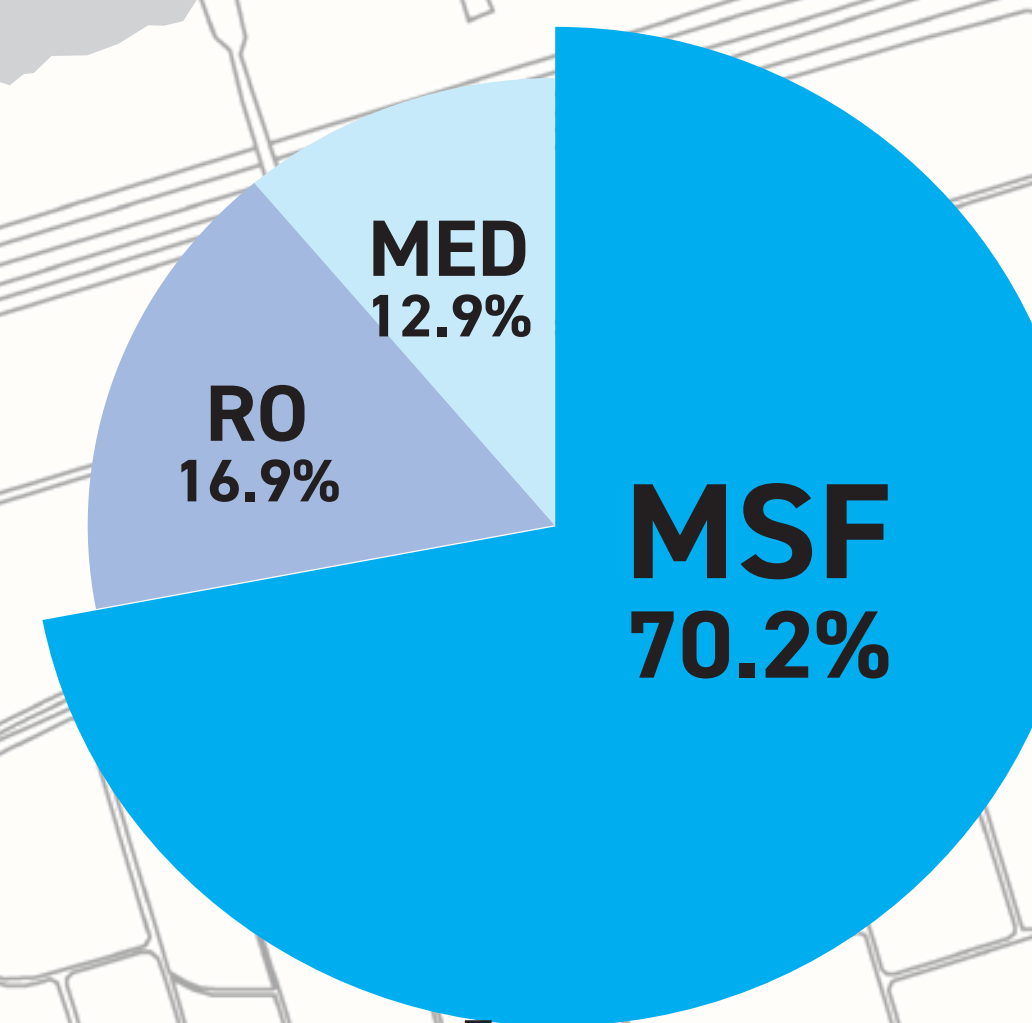
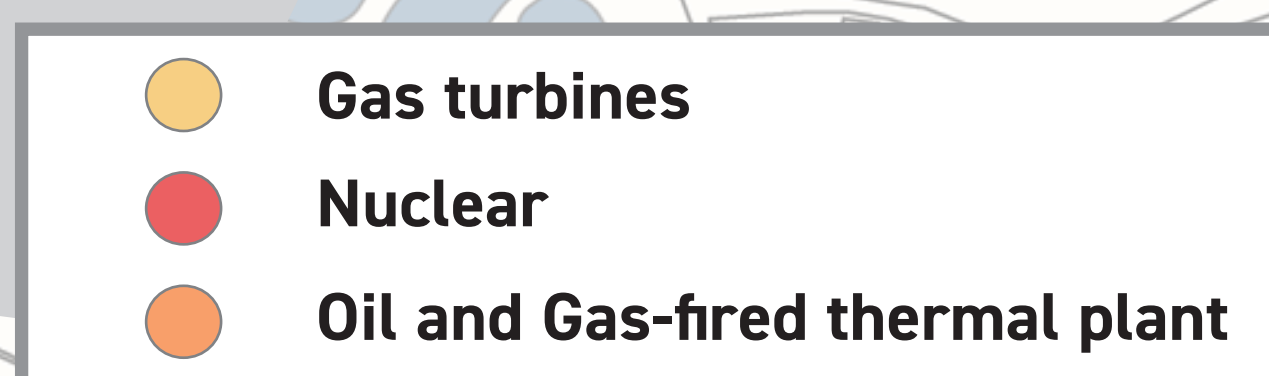
Unit:100Ten thousand people



## Water consumption



## Number of Power Plant in UAE



2.2km

Masdar city



It is an important concept of POSILITRE to emphasize and educate the importance of how water is a limited source, and demonstrate the capability of technological advances of desalination. POSILITRE eliminates reliance on heavy energy usages, and creates a sense of familiarity and awareness of water distribution among people by placing these desalination plants right in the heart of communities.

UAE is one of the most energy consuming countries per person in the world. Air conditioning usage increases simultaneously as temperature increases between June and September. Domestic electricity consumption has doubled in the past 10 years, and is expected to increase sharply, from 103 terawatts/hour in 2014 to 142 terawatts/hour in 2020. The main factors are believed to be the inefficient power use and reliance on energy-intensive desalination plants, in addition to significant population growth and economic growth.