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| **Name of project** |
| Nice Grid |
| **Location** |
| Nice, France |
| **Time frame** |
| 4 year programme (2011-2015) |
| **Lead organisation** |
| Led by ERDF  EDF Departments – EDF and EDF R&D |
| **Sponsor/source of funding** |
| Total Budget: €30million  €11million Government funded |
| **Distribution, retail or both** |
| Distribution and retail |
| **Mandatory or opt-in** |
| Opt-in |
| **Trial or roll-out** |
| Trial |
| **Brief overview of project** |
| The aim is to demonstrate the feasibility of islanding one new-built residential low-carbon low-energy district integrating local PV generation and energy storage. |
| **Customer type** |
| Total number of customers: 1,500  100 customers are fully islanded and equipped with storage, renewable generation, and local intelligence to optimize the load. |
| **Technology used (high-level functionality)** |
| NICE GRID will study all of the issues related to the concept of smart grids, including:   * Optimisation and control of a medium and low voltage network with high penetration of renewables (principally photovoltaic). * Behaviour of customers who become agents for their production, consumption and storage of electricity. * Operation of an “independent” zone equipped with energy storage and isolated from the main network. |
| **Means of interaction with customer** |
| Islanding capabilities and self consumption. |
| **Appliances targeted** |
| PV, local electrical storage |
| **Period and duration of interruptions (for direct load control)** |
| Not yet available |
| **Level of load reduction (overall and peak)** |
| Not yet available |
| **Consumer Experience** |
| Enable the customers to adapt their production and / or consumption within the constraints of the network. |