



## International

### Europe

#### Client

STMicroelectronics

#### Location

Catania, Italy;  
Rennes and Rousset, France



*Rennes, France*

## STMicroelectronics Semiconductor and Microelectronics Facilities

### Project Description

IDC Architects, an affiliate of CH2M HILL, worked with STMicroelectronics in Italy and France to plan and design semiconductor and microelectronics facilities.

#### Catania, Italy

New state-of-the-art 300mm production facility. The Greenfield site comprises a mini-environment cleanroom plus support facilities including an electrical water sort/test area, a central utilities building and an office building.

The facility is designed in line with STMicroelectronics' ecological vision meeting stringent energy and environmental criteria. The site is planned for full integration of power, cooling and heating requirements via an on-site tri-generation plant.

The project, a joint venture with AMA and CH2M HILL IDC, is providing architectural, civil and structural design and construction management.

#### Program Elements

- Cleanroom Architecture
- Mechanical
- Electrical
- Instrumentation and Control
- Chemical and Process
- Life Safety
- Telecommunications
- Construction Management
- Project Management

#### Rennes, France

19,200-square-meter cleanroom extension, new technical rooms, and site master planning. CH2M HILL IDC's services include overseeing project design/execution and quality assurance of work executed by CH2M HILL IDC French staff and local consultants.

#### Program Elements

- Mechanical
- Electrical
- Process



*Rousset, France*

- Instrumentation and Control
- Life Safety
- Project Management

### **Rousset, France**

New high-volume wafer fab including both manufacturing and office space. The facility was designed in consideration of STMicroelectronics' ecological vision to become a corporation that closely approaches environmental neutrality.

### **Program Elements**

- Architectural
- Structural
- Civil
- Electrical
- Mechanical
- Instrumentation and Controls
- Chemical
- Life Safety
- Construction Management