

Open Source Technology Integration

Technology is also an important part of everything we are open source designing. Through a combination of environmental automation, measuring, and control systems, we will improve efficiency and save resources, make sustainable living even easier and more enjoyable, and be able to better manage critical systems, identify problems, and provide the objective data needed to easily make and evaluate improvements.

These systems are modularly implementable, cover all aspects of sustainable living, include adjustable automation wherever possible, and are designed to be implemented in different variations throughout the City Center, all 7 village models, and our additional social, educational, and food production structures too.

These systems will be used to:

- ➔ Fine tune each structure and environment for maximum efficiency and sustainability
- ➔ Objectively evaluate upgrades and other changes and open source what we learn
- ➔ Educate the public on the benefits of living in an ultra-sustainable environment like One Community
- ➔ Open-source share and compare data with others who replicate our structures

Learn more here:
www.OneCommunityGlobal.org/Control-Systems

LIVING SPACES WITH ECO-AUTOMATION & ENVIRONMENTAL CONTROLS



LARGE SCALE ECO-TECH INTEGRATION THROUGHOUT ALL VILLAGES & THE CITY CENTER

In addition to the in-room components shown at left, the City Center (and each of the 7 village models) is also designed using card-based data gathering that will allow users to print out, evaluate, and compare their usage to national and international standards. Data is password protected and assigned to numbers instead of names to keep it anonymous for visitors. Data gathering for these purposes will include:

- ➔ Card readers
- ➔ Electricity metering
- ➔ Water metering

For added efficiency, convenience, and safety, we'll also integrate these options where appropriate and most beneficial:

- ➔ Light dimmers
- ➔ Ambient light sensors for lighting automation
- ➔ Water-leak detectors
- ➔ Water temperature sensors
- ➔ Gas detectors
- ➔ CO₂ detectors



ELECTRICITY USAGE DATA



WATER USAGE DATA



INDIVIDUAL USAGE CARD OPTIONS



AMBIENT LIGHT SENSORS & LIGHT DIMMERS



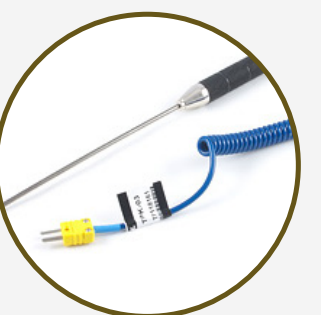
GAS DETECTORS



FLOODING ALARMS



CO₂ DETECTORS



WATER TEMPERATURE SENSORS