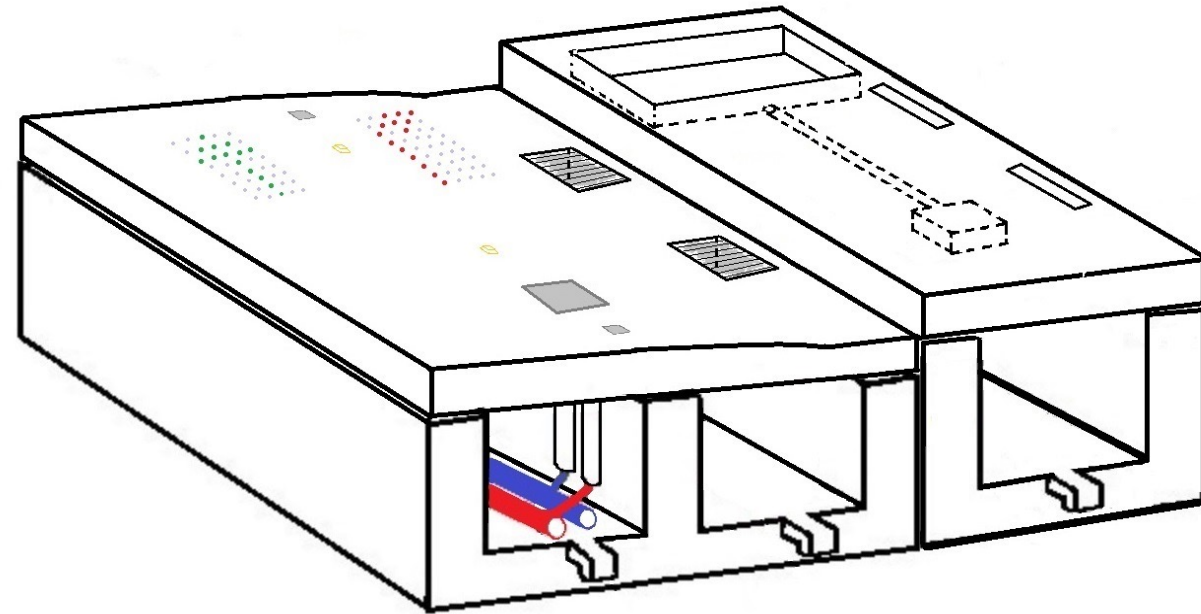


SMART MODULAR STREET AND SIDEWALK

MODUSTREET



Issues



Opportunities

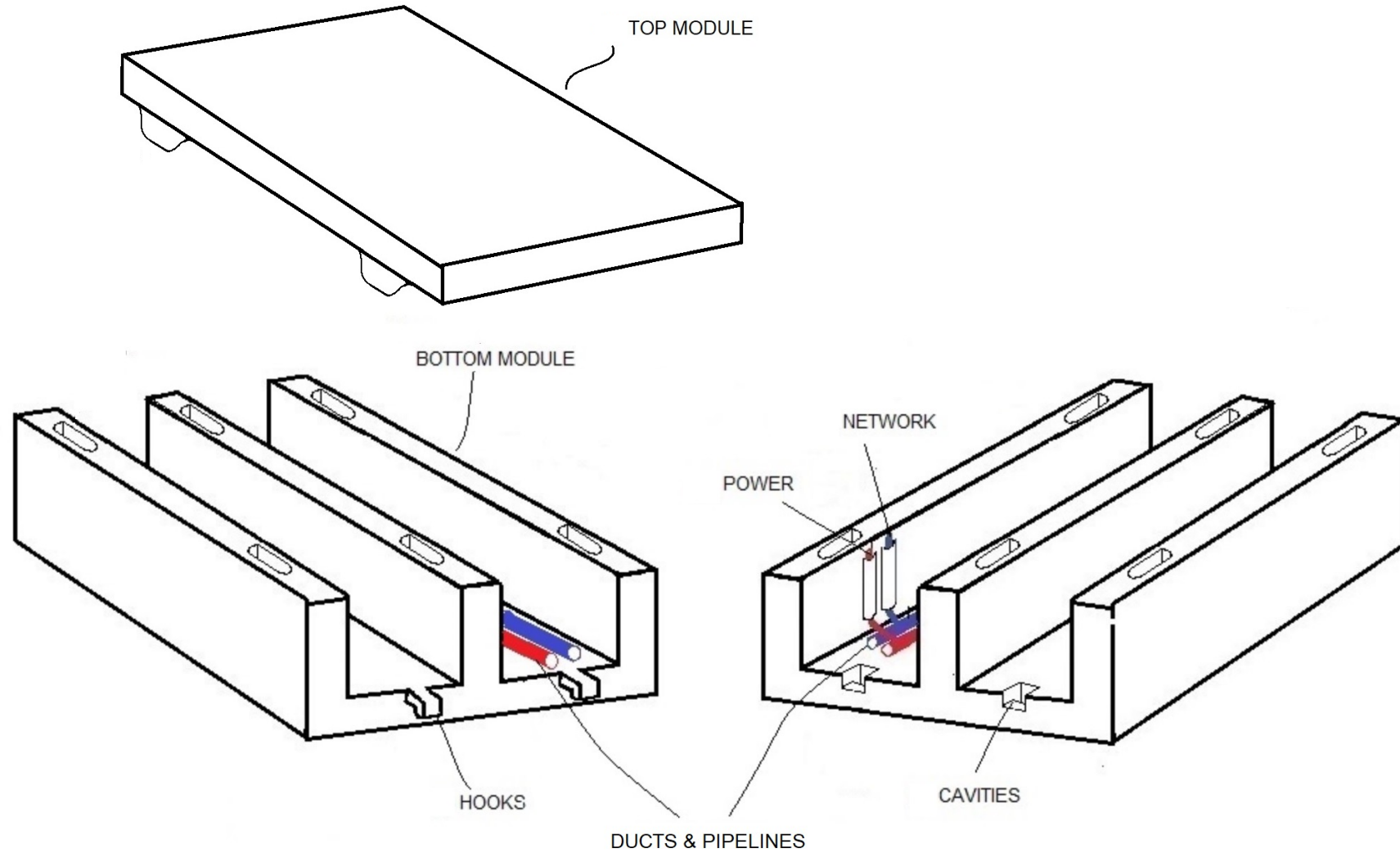
- Broken Underground Utilities
- Accidents
- Traffic Jams
- Floods
- Maintenance
- Obsolescence
- Disposable
- Weather Inclemency

- Easy Repairing Underground Utilities
- Control Accidents
- Control Traffic Jams
- Control Floods
- Easy Maintenance
- Easy Upgrade
- Sustainability
- Safety & Comfort
- Marketing

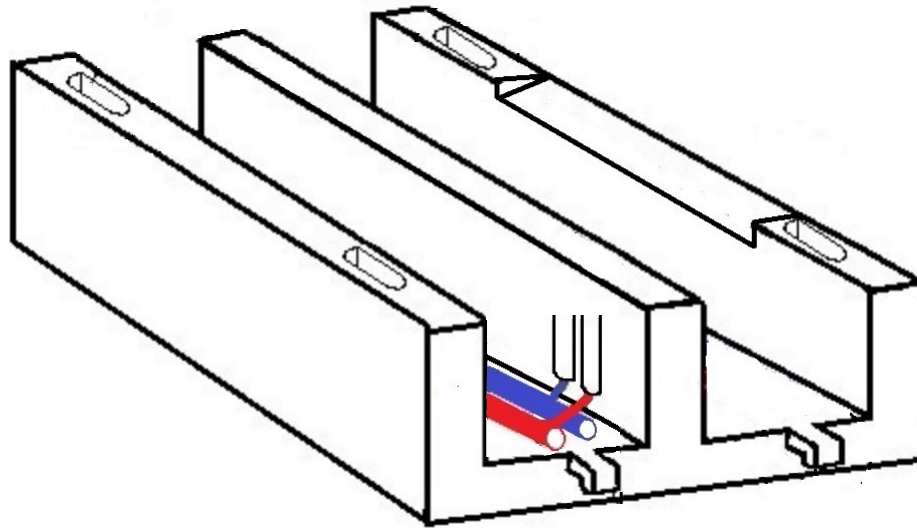
Modular

- Easy Maintenance
- Easy Repair of Underground Utilities
- Easy Upgrade

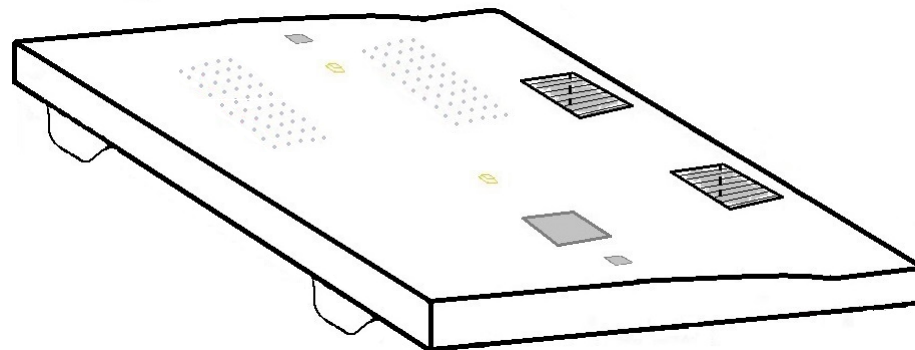
Modular



Street – Bottom Module



Street – Top Module



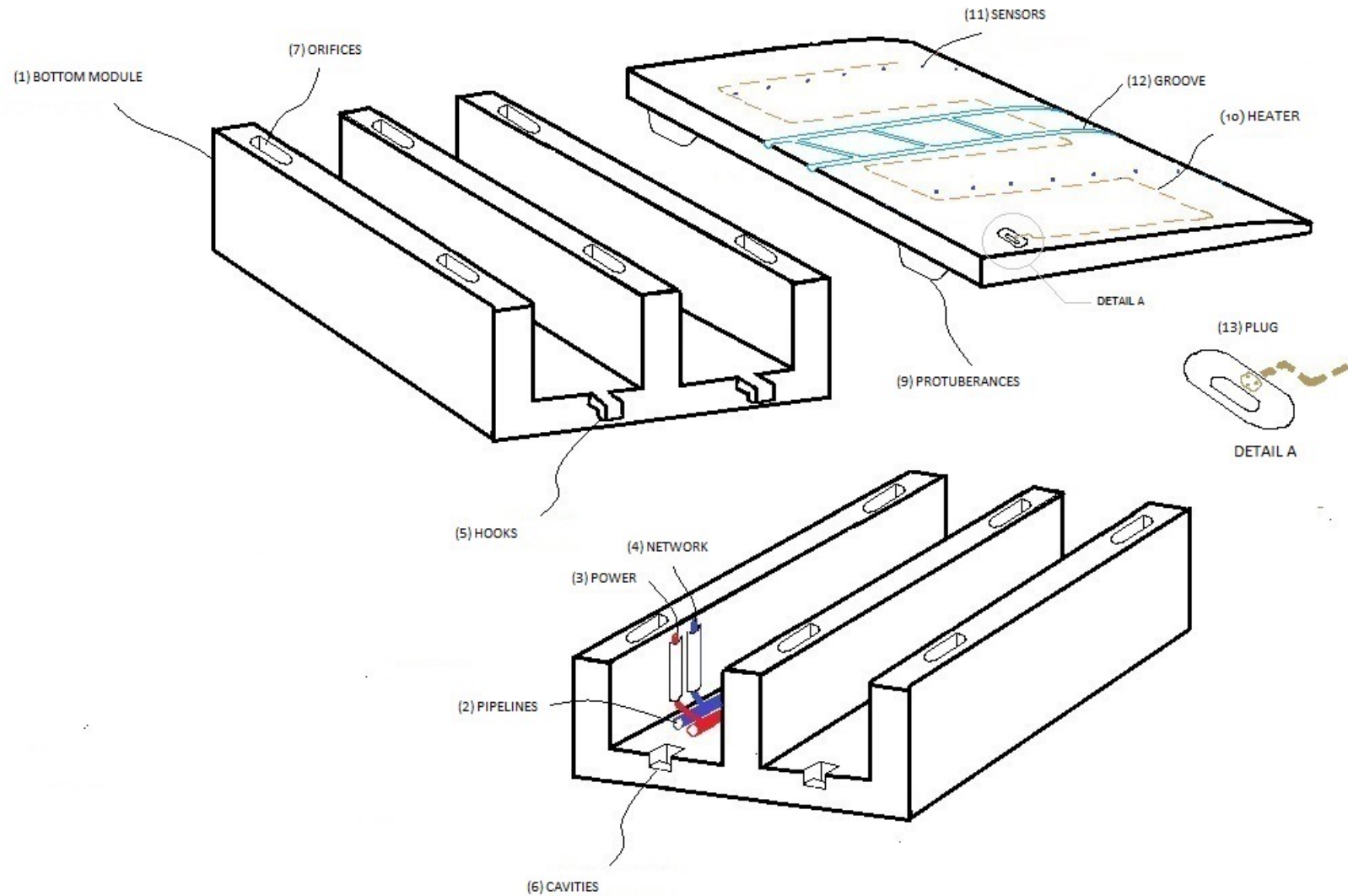
Smart

1. **Sensors** Collect Information from the Environment and Combine it with Information from the Internet
2. The Information is sent to a **Computer** Embedded in the Street or Sidewalk which makes Calculations based on Programing and/or AI
3. The results from calculations produces Outputs to Devices embedded in the Street and Sidewalk Modules to Perform **Tasks**

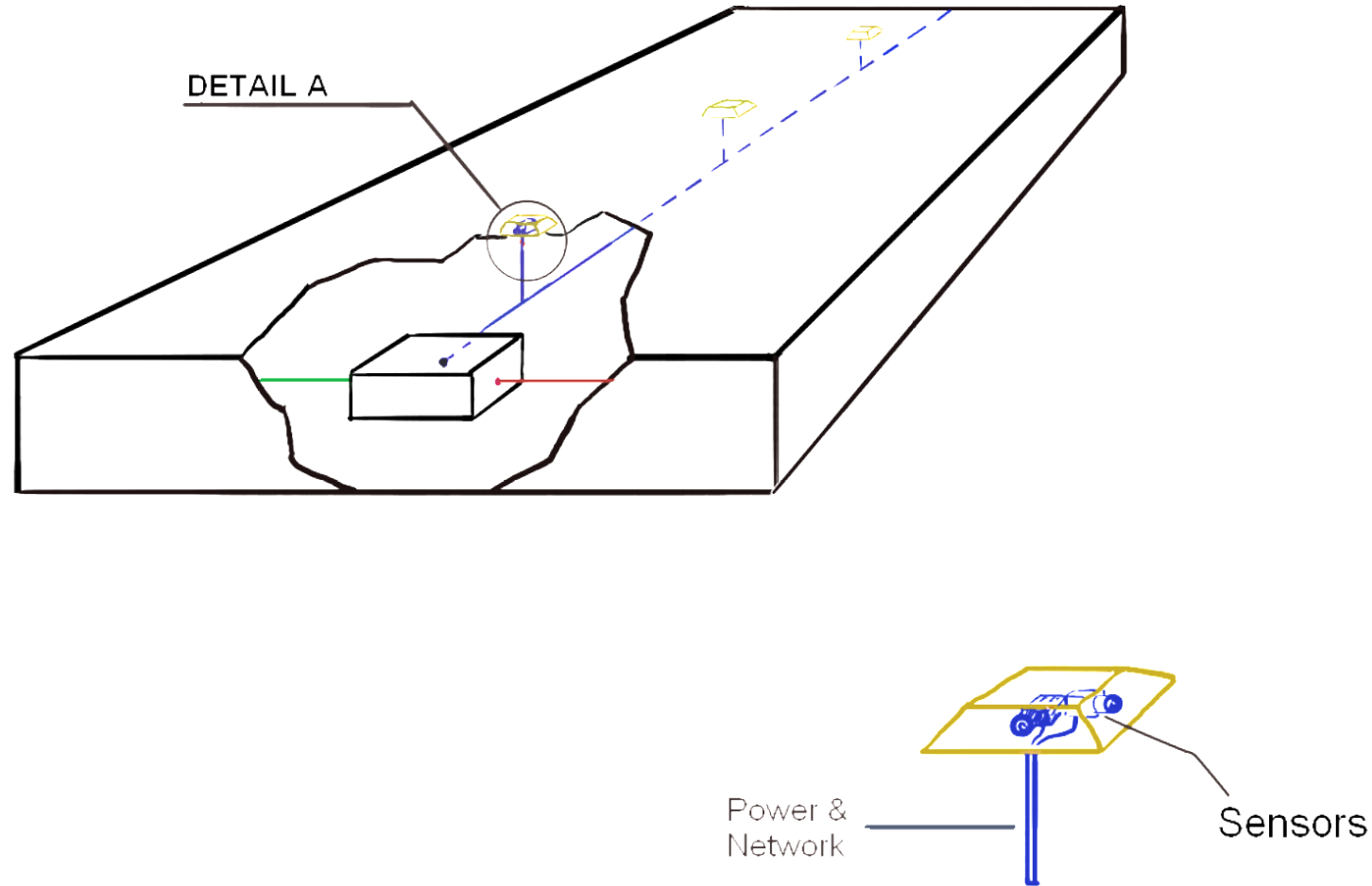
Tasks

- Signaling
- Heater to Melt Snow or Ice
- Cool Air for Pleasant Walk
- Flood Control
- Traffic Stop or Rerouting
- Car Chargers
- Screens/Ads
- Irrigation

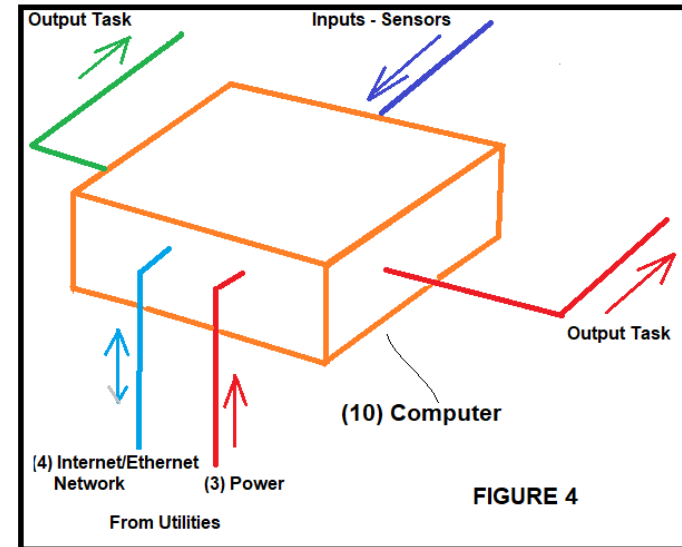
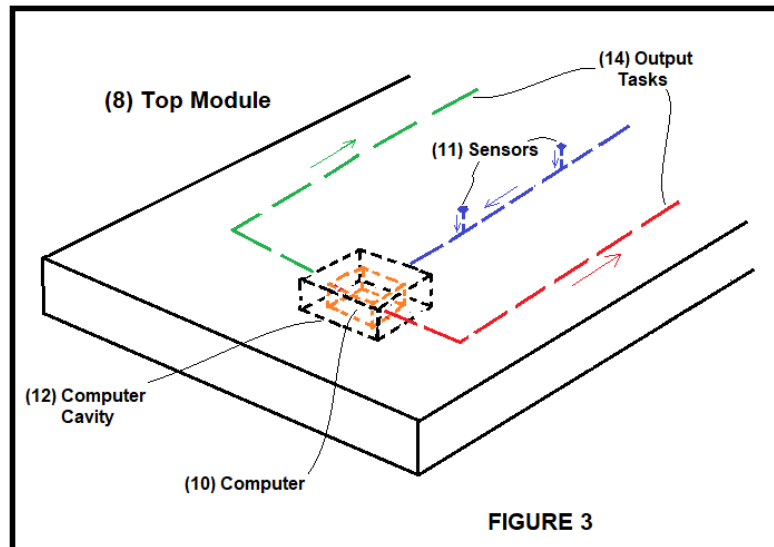
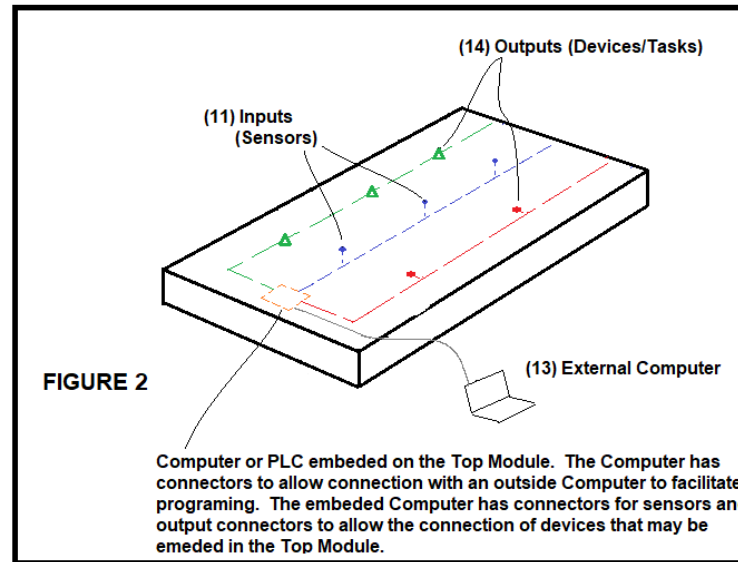
Modular - Smart



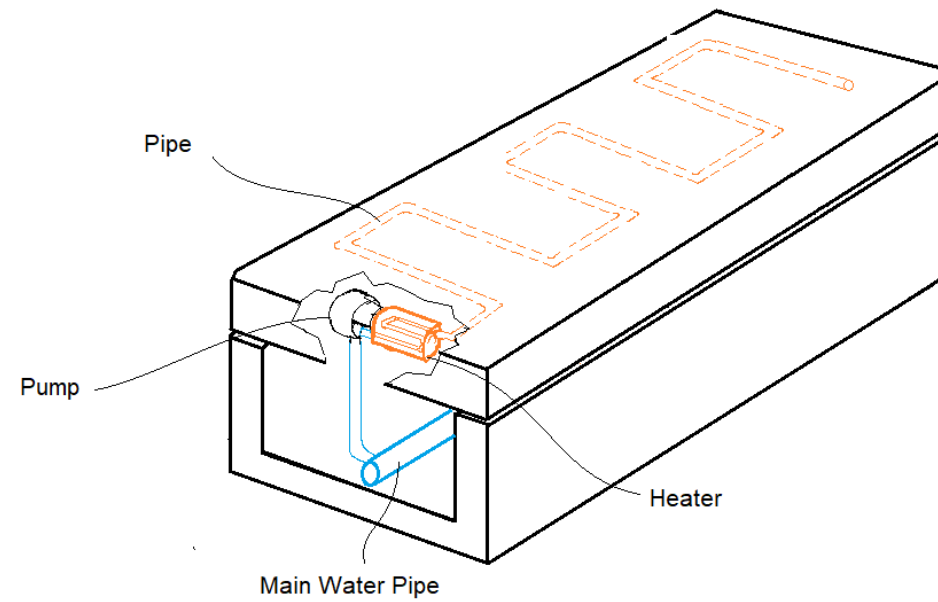
Smart Street – How Does it Work?



Smart



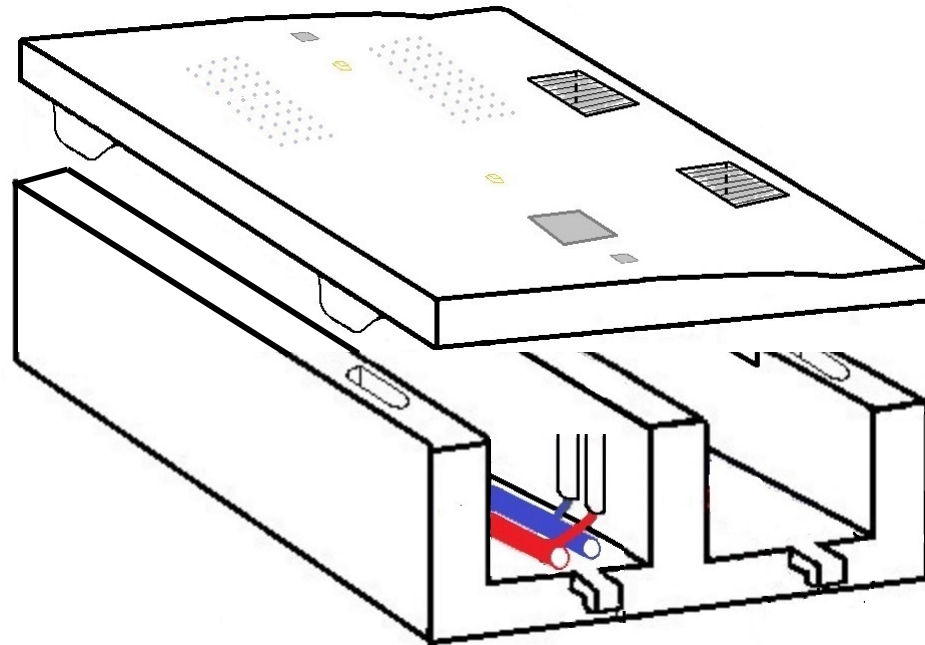
Smart Heater



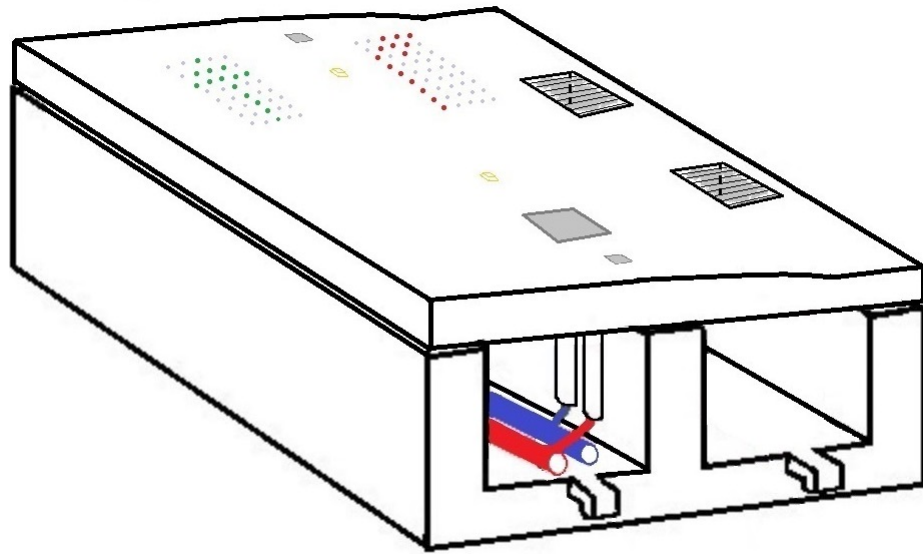
Water gets pumped from the Main Water Pipe by means of the Pump into the Heater where it is warmed and then goes into the Pipe through the Top Module to warm the surface of the Top Module.

FIGURE 10

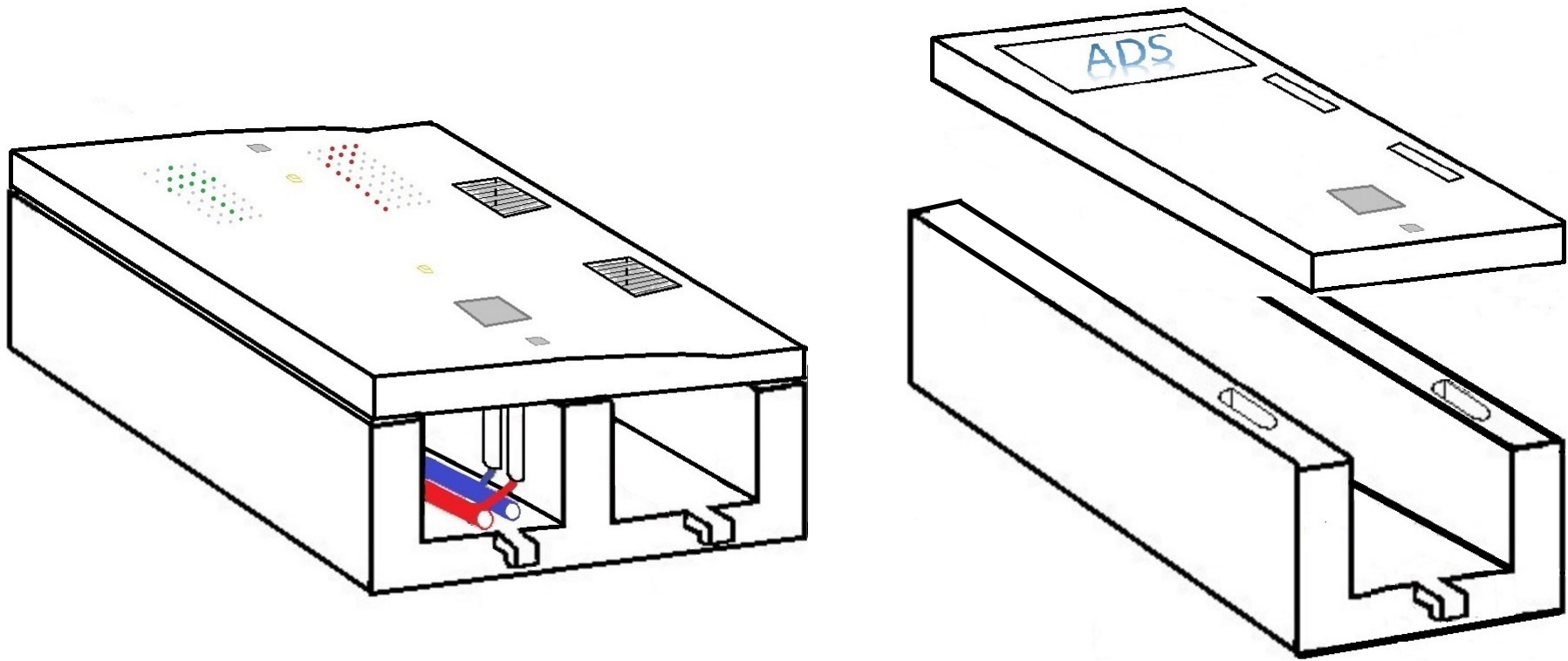
Full Modular Street



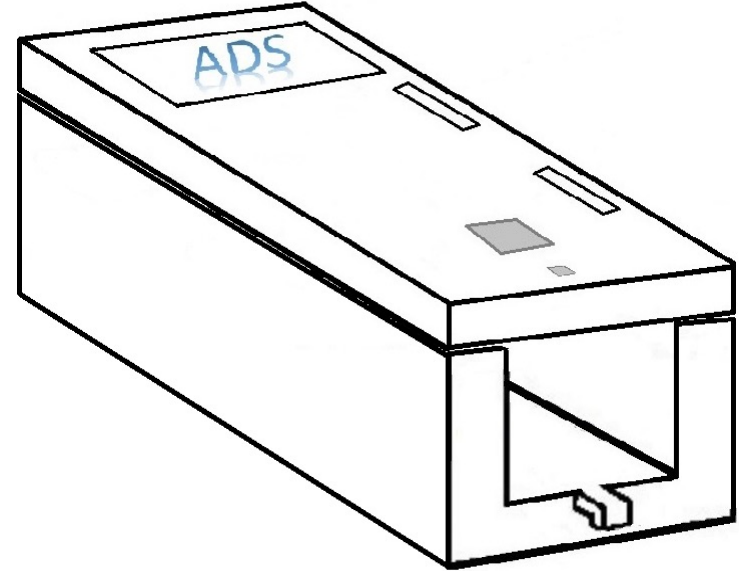
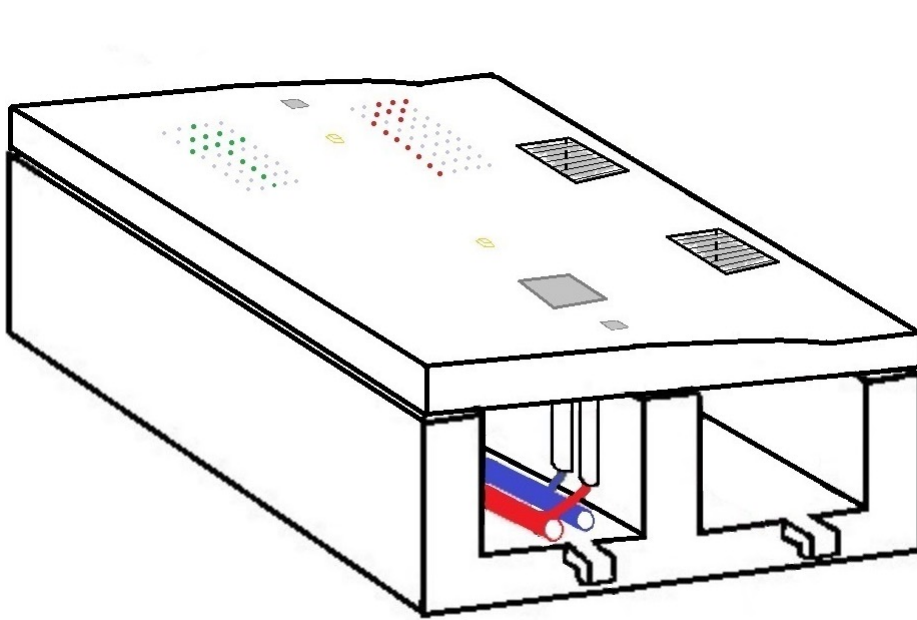
Full Modular Street



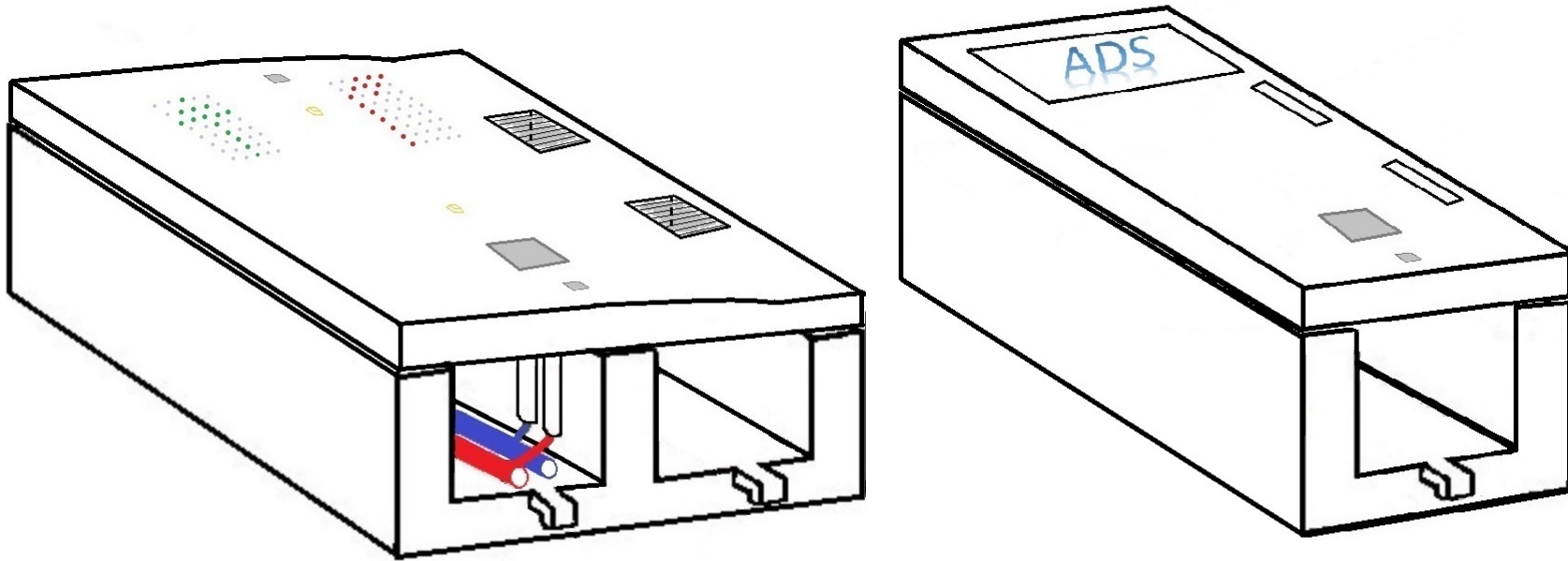
Smart Modular Street and Sidewalk



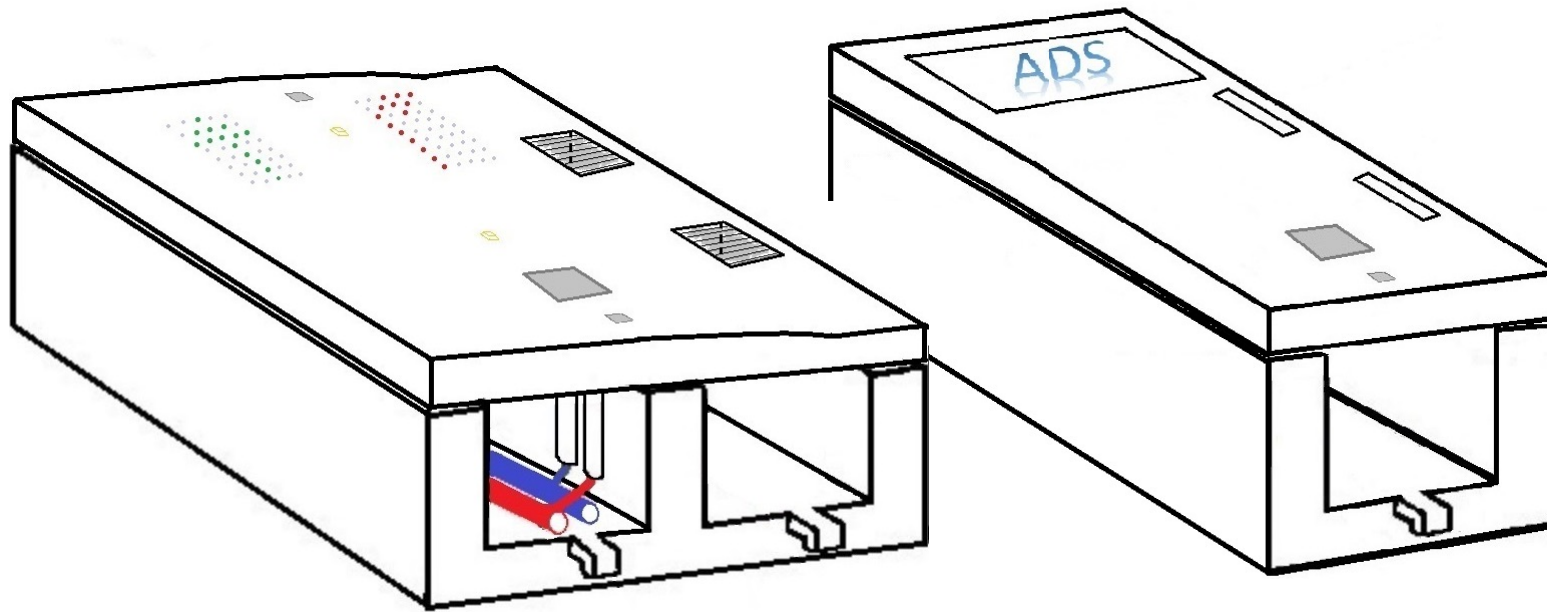
Smart Modular Street and Sidewalk



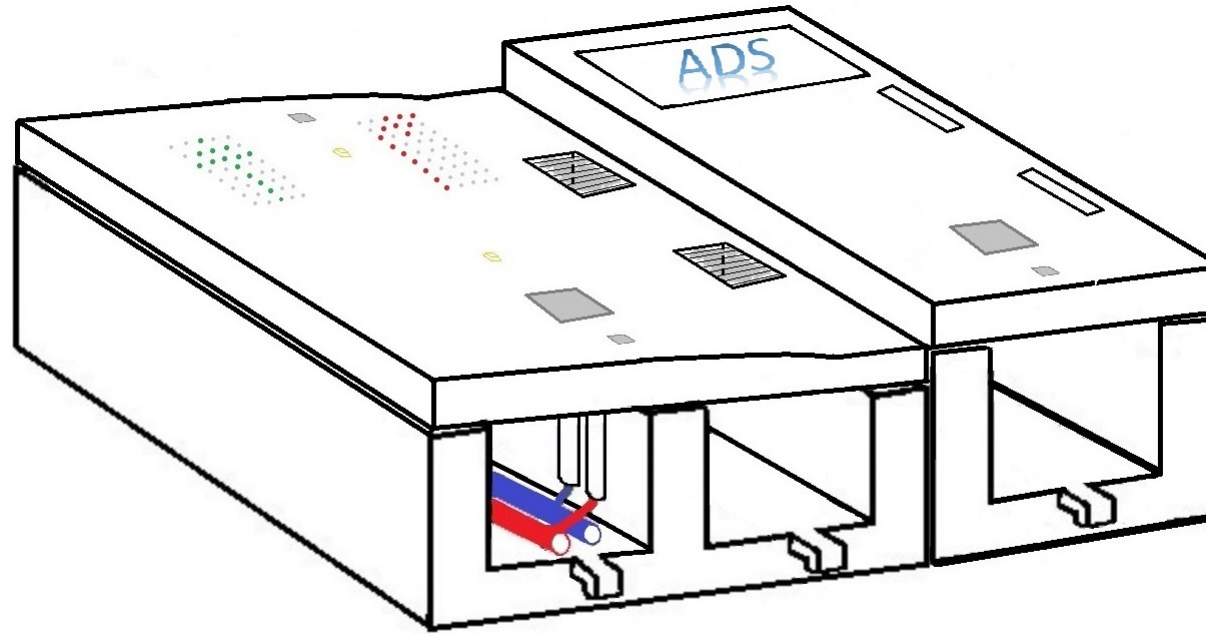
Smart Modular Street and Sidewalk



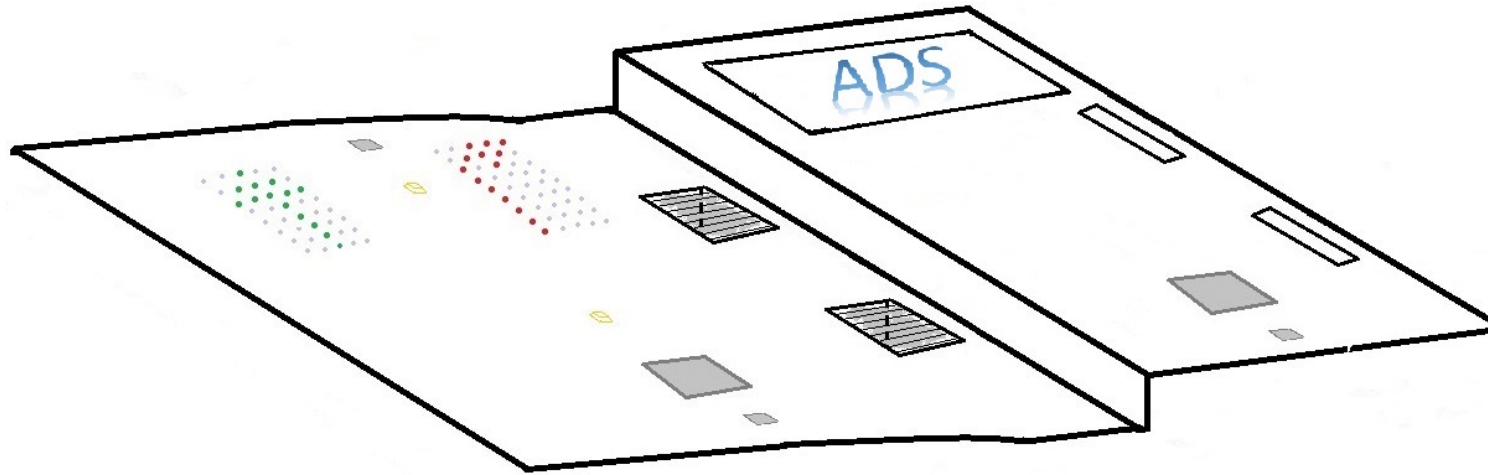
Smart Modular Street and Sidewalk



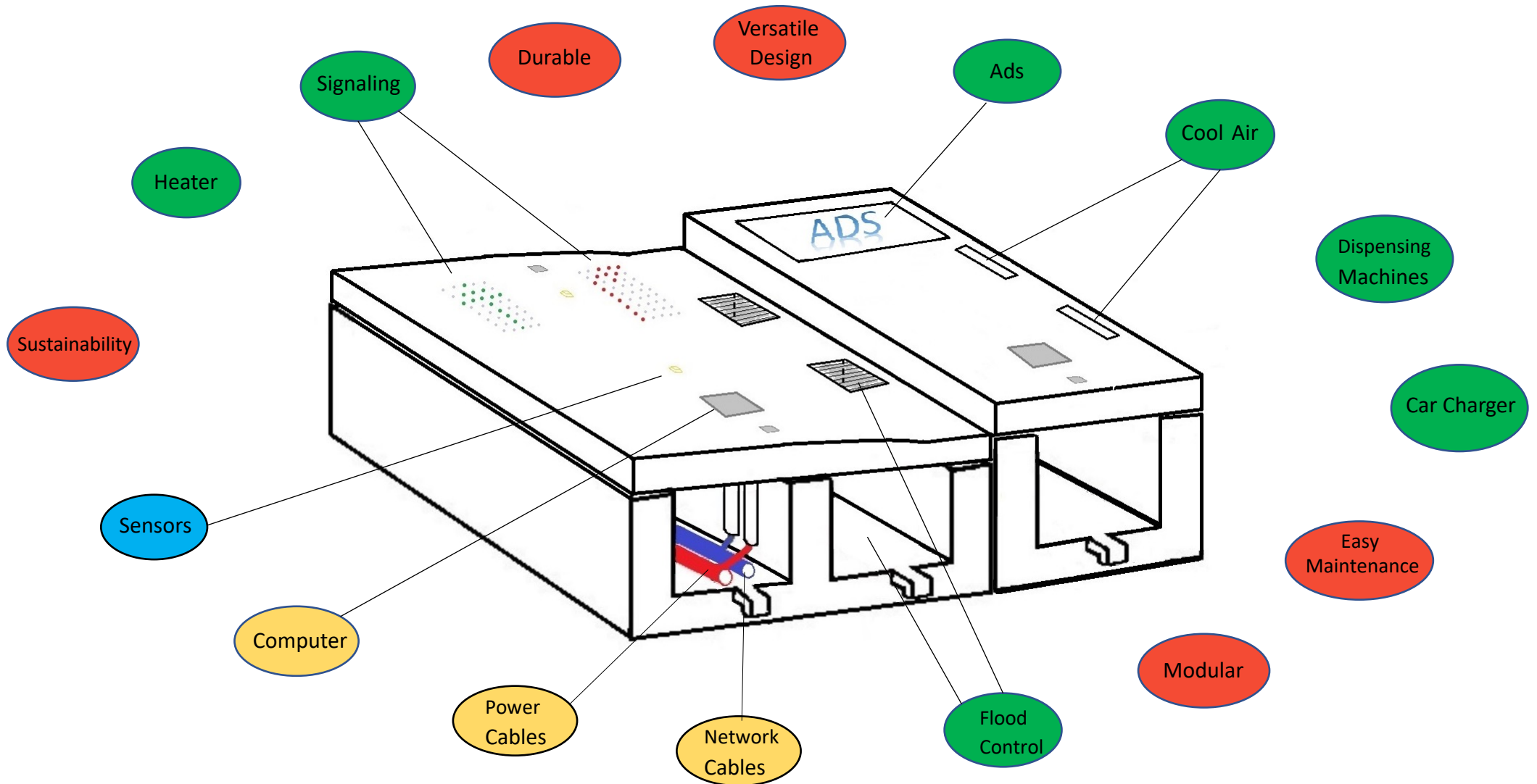
Smart Modular Street and Sidewalk



Smart Modular Street and Sidewalk : Benefits



Smart Modular Street – Tasks & Benefits



Conclusion – Smart Modular Street

- Easy to Maintain and Upgrade
- Smart Versatile Design with Devices/Tasks
- Sustainability

Smart Modular Street

Thank You for Your Time

- Questions
- Feedback

