



## **Kreadon Project – Case Study**

**Integrator:** cyberManor | **Location:** Sunnyvale, CA

### **The Challenge:**

Mike Kreadon, a software and IT developer in Silicon Valley was searching for a solution for the Eichler home he was remodeling in Northern California that would incorporate all of his family's digital content and features – including their entertainment (music, pictures, video) and home automation (HVAC, lighting and IP based security system) – into one central location. He approached Gordon Van Zuiden, president of cyberManor, in the summer of 2007 with this inquiry for whole home technology and the cyberManor team began working on a comprehensive, holistic solution that would cover all of the family's desires.

- The need for one consistent graphical user interface for the control of all the electronic systems in his home, specifically audio/video, lighting, security, heating/cooling, and cameras. The interface had to be locally accessible from wall mounted touch-screens, TV displays and other access points throughout the home as well as from remote locations.
- A centralized hard drive for the storage of all the family's recorded high definition TV content, music and photos that could easily be retrieved and controlled from all the TV locations in the home.
- A guarantee of system fault-tolerance. If, for any reason, there was an issue with the operation of the central media center control system in the home, the whole house audio, lighting, security, and HVAC systems had to function independently.

### **The Solution:**

cyberManor's solution utilizes numerous industry-renowned products from the Windows Media Center ecosystem, including:

- Niveus Media's n9 media server with four Digital CableCARD tuners
- Multiple Niveus Edge and Xbox 360 Extenders
- Niveus Ice Vault, storing the family's DVD movie collection
- Life|ware home automation software
- Russound distributed audio

The family's music library and digital photos were integrated into the entertainment solution. The home features Life|ware software for whole home control of Aprilaire thermostat system, lighting, Russound audio distribution, surveillance cameras and IP-based door strike at the front gate with the touch of a button.

Deriving power from solar panels on the roof, the family strived to make their home as environmentally friendly as possible, using only LED and fluorescent lighting and settings on their Lutron lighting system that automatically turned off power at certain times of day.

**The Results:**

The cyberManor team used Windows Media Center as the central platform to control numerous aspects of the family's digital lifestyle, including 12 zones of Russound distributed audio, Lutron lighting and shade control, individual room climate controls automated by time of day and air temperature outside, and surveillance technology. All home automation is provided by Life|ware software, including unique features such as fountain control from all areas of the home. The seamless integration of these Windows Media Center products and technologies enabled cyberManor to deliver an effective and intuitive solution while staying consistent with the sleek and clean design that Mike Kreadon and his family desired. As a result, the customer now has a whole home system that affords them the ability to access their digital media from any point in the home and centrally stores their content so they can enjoy their technology with ease and peace of mind.