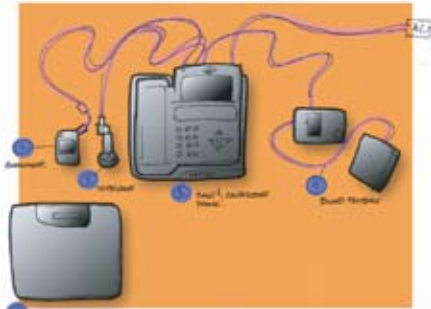
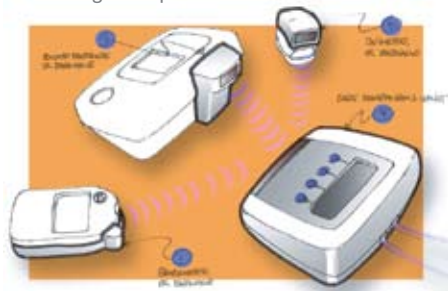




Product Design Case Study



An early illustration of the various devices that make up the CareCompanion unit prior to Design Interpretives involvement.



The glucometer unit prototype repackaged to accommodate the infra-red transmitter.



Automotive clay was used to create full-scale models of potential designs.

Background

Neptec, a well known name in the aerospace industry is applying their advanced engineering expertise to the area of remote health care with their new CareCompanion product. CareCompanion allows medical institutions to monitor the progress of their outbound patients in the comfort of their own home through the use of remote diagnostic devices and a teleconferencing monitoring station.

Neptec chose Design Interpretive to design an innovative, user-friendly solution to house a collection of dissimilar, medical devices that connect electronically to an existing teleconferencing console. These devices, which measure a variety of vital signs, communicate wirelessly with the CareMonitor unit relaying vital information to a remote nurse station by means of a regular telephone connection. The CareMonitor also has a touch-sensitive display which the patient interacts with at various stages during an assessment or when communicating with nurse

Challenge

Provide an integrated design solution that is easy-to-use and unifies a collection of OEM devices.

Process

Several concepts with distinct visual themes were proposed and working prototypes were constructed from design files. One final solution emerged and a full-scale, volume model of the various internal components was developed and prototypes built.

The market demand exceeded Neptec's marketing forecast. Neptec had to outsource the production to a volume manufacturing company that could manage higher volume production. To date the design remains virtually unchanged but is still considered current and leader in the industry.

Industrial Design Patent is pending.

