

CASE STUDY

12th Man Technologies, Inc.
CareConnect



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THE COMPANY

12th Man Technologies, Inc. focuses on innovative technology for pulmonary and critical care medicine, as well as infectious diseases. Besides developing or working on high-frequency oscillatory ventilators, liquid perfluorocarbon ventilation, and drugs like inhaled nitric oxide, 12th Man personnel also have negotiated complex regulatory roadmaps, including FDA Class I through FDA Class III PMA devices that require clinical trials and FDA PMA panel presentations.

THE CHALLENGE

Advancements in technology continue to simplify nearly every aspect of our lives, especially in regards to healthcare, where digital devices keep us connected and give us more freedom and security than ever before. But for many seniors, these devices can be confusing and difficult to operate. 12th Man Technologies envisioned an interactive, easy-to-use system that would give seniors all the critical functionality they need for independent living, while providing the connectivity features that family and care givers require for peace of mind.

THE SOLUTION

12th Man Technologies brought in Neudesic to design and build a cloud-based messaging platform that would become the backbone of the CareConnect Family Communicator, a compact device that connects seniors to family, friends and healthcare providers and is sold under the

Ceretec, Inc. label. The beauty of the CareConnect device is its simple design and easy-to-use interface that requires no technical skills to operate.

Neudesic's solution facilitates communication via e-mails and SMS messages, and enforces required security and retention policies. An auto-launched program supports medication and appointment reminders from family, pharmacists and healthcare providers. When not in use, CareConnect serves as a digital display for pictures, family messages, and weather information (www.CareConnect-Us.com).

A CareConnect mobile application allows family members or health care professionals to remotely send medication or appointment reminders to CareConnect owners, as well as messages using CareText, a simplified e-mail platform.

- ▶ Cloud
 - Enterprise 2.0
- ▶ Mobility
 - Managed Services
 - Product
- ▶ Connected Systems
- ▶ Custom Application Development
 - Dynamics CRM
- ▶ Portals & Collaboration
 - SQL/Business Intelligence
- ▶ User Experience

Without the in-depth experience of Neudesic's team--from back end architecture and cloud to UX design and mobility--we never could have achieved our vision to give seniors and care givers independence and peace of mind.

*Alex Stenzler, President
12th Man Technologies*

Industry

- Healthcare

Products

- Windows Azure
- Windows Azure SQL Database
- Windows Azure Storage Services
- Entity Framework 5.0
- ASP.NET MVC 4
- ASP.NET Web API
- Google Cloud Messaging

Challenge

Build an easy-to-use device that would provide all the critical healthcare features and functionality that seniors need for independent living, and family and care givers require for peace of mind.

Solution

A cloud-based messaging platform that represents the backbone of the CareConnect Family Communicator, a compact device that connects seniors to family, friends and healthcare providers through a simple, use-friendly interface that requires no technical skills to operate.

Features

- Digital photo frame with one-touch save
- Single-button e-mail retrieval
- Video chat or Skype
- One-touch Call-Me feature
- Automated reminders
- Smartphone apps for remote management
- Wireless to Wi-Fi hubs or hotspots
- Large buttons and touch screen icons
- Built-in camera, microphone, speakers
- Plug 'N Play, nothing to launch

THE BENEFITS

Neudesic's expertise in cloud, mobility, connected systems, UX design, custom application development and more helped 12th Man Technologies achieve its vision for an easy-to-use device that helps seniors get the support they need from families and care givers without giving up their independent lifestyles. It's another example of how Neudesic solutions help make life easier. Below are some of the features and benefits of the innovative CareConnect system.



Easy-to-Use Interface

- One-touch appointment reminders
- One-touch medication reminders and alerts
- Call Me one-touch SMS text messaging
- Bluetooth™ Motion Detector
- Built-in camera, microphone, speakers and headphone jack
- Wireless Internet connection through in-home Wi-Fi hubs
- Receive e-mails with the touch of a button

Digital Picture Frame

When not in use, the CareConnect device automatically scrolls through up to 3,000 photos of family and friends stored on a USB memory stick (included). It also can display messages and weather information.



Smartphone Apps for Android and iPhone

Enables family and health care professionals to remotely send medication or appointment reminders to CareConnect owners, or send messages with CareText, a simplified e-mail platform that allows "one-touch" answers to questions.



About Neudesic

Neudesic is the trusted technology partner in business innovation, delivering impactful business results to clients through leading-edge technologies, innovative solutions and strategic alliances. Founded in 2002 and headquartered in Irvine, Calif., Neudesic is a privately held company, serving clients globally from offices across the United States. For more information, visit www.neudesic.com.