

Explore the new possibilities in Custom-Installation

Presenting nomos: The world's first seamless merge of consumer electronics and the computer industry!

introduction

- Swiss company founded in 2009
- International Development Team:
 - Switzerland - Headquarters
 - Germany - Electrical Engineering
 - Canada - Theoretical Physics
- Financial stability thanks to:
 - Growing business activities
 - Support of privat investors
 - The creators own the company
- Professional team with wide experience and high education in software design, custom-installation, electrical engineering, physics and communications-protocols.



nomos system ltd.

Bahnhofquai 2

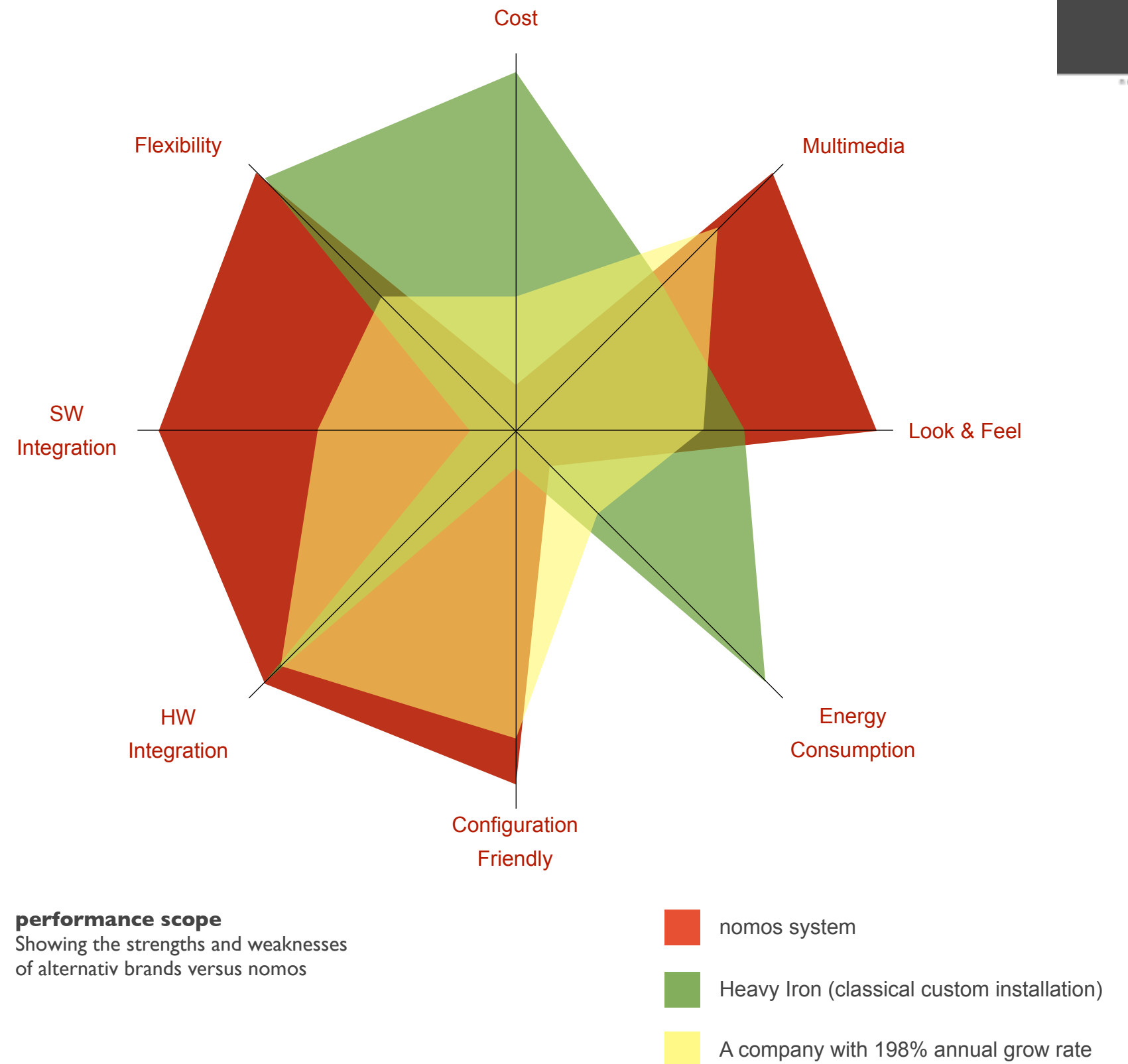
CH - 4600 Olten

www.nomos-system.com

info@nomos-system.com

inspiration

- nomos is Latin and stands for wise.
- Bridge the system integration gap between hardware and software control.
- Reducing the costs of classic custom installation and home automation.
- Minimize the need for energy consuming hardware.
- Enabling custom-installation for a wide market and fill the gap between „universal remotes“ and „heavy iron systems“.
- Redefine the idea of home entertainment and control systems with a visionary solution that emphasizes ease of use for configuration, reliability and a maintenance-friendly open platform.
- A software suite that delivers home automation and control, multi-room audio/video, advanced digital audio and video processing, extremely flexible and scalable A/V switching, digital media server and jukebox capabilities, security surveillance, lighting, HVAC, smart metering, information retrieval and a broad array of integrated applications and services.



philosophy

- Based on the experience of our team, nomos became very versatile and suitable for many applications, we completed projects in the field of:
 - Homes and Apartments
 - Automotive
 - Aviation
- The key-divers of technological changes are convenience & availability, this attributes should be the guiding principal for any future control and media system:
 - Uniform multiple devices and interfaces
 - Extended automatism
 - Non proprietary interactions / interconnections
 - Autodidactic recognition
 - Contribute & Share
 - Synchronisation
 - Intelligent maintenance
- **Short term benefit:**
 - Expanding the market
 - Enable the usage of MAC OSX with all its features as a seamless bi-directional media client
 - Gateway functionality to protocols whichever were inaccessible so far
 - A entirely new way of integrating TV
 - Setting the foundation of a new system design that leads to future proof
- **Long term benefit:**
 - Be right on the pulse of faster changing client demands
 - React and adapt faster to new technologie convergences
 - Reduce the expensive and proprietary hardware by serving open control standards
 - Protect build-up investment and existence

Thinking complements is a different way of thinking about business.

It's about finding ways to make the pie bigger rather than fighting with competitors over a fixed pie.

To benefit from this insight, think about how to expand the pie by developing new complements or making existing complements more affordable.

Co-Opetition

by Adam M. Brandenburger, Barry J. Nalebuff (1996)

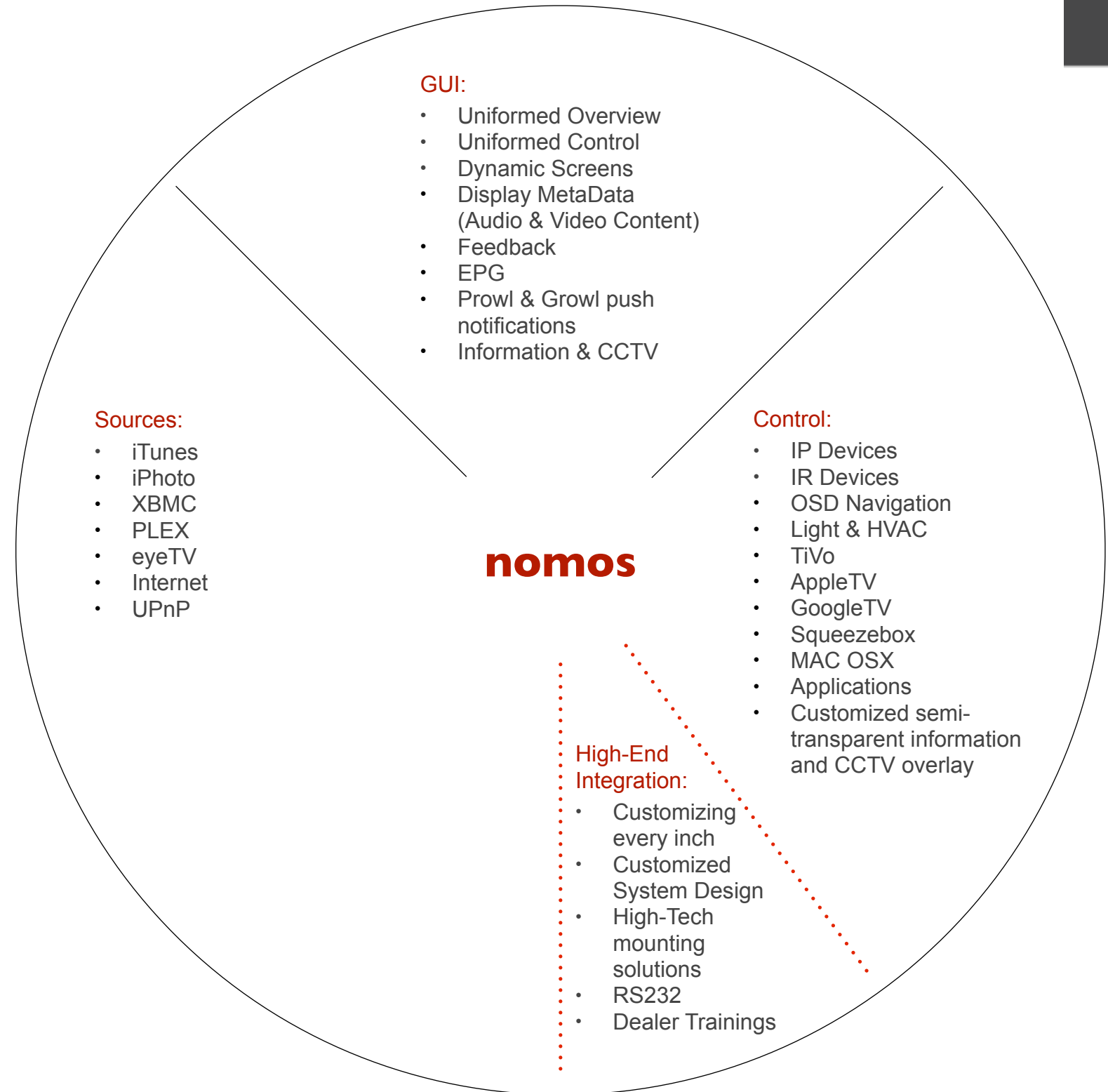
market

- Control systems - in the Custom Installation industry several manufacturers offer dedicated control solutions and they often do a very good job:
 - AMX & Crestron
 - Autonomic Control Inc.
 - Aurora
 - Calypso
 - Pronto
 - RTI

- Multimedia systems - even more companies deliver multimedia solution to our industry, some of them are really outright gorgeous:
 - GoogleTV
 - AppleTV
 - Netgear
 - Linksys
 - MCS
 - Kaleidescape

- Integrated systems - we believe that this is the way into the next level and very few companies understand the elaborate convergence of HW & SW suitable for a worldwide market demand:
 - AMX
 - Crestron
 - Control 4

- **Software systems - the nomos solution is especially designed to meet the demand of integrated systems expanding the feature-list with accessing software bi-directionally:**
 - Expansion on functionality
 - Reduce the costs and efforts for dealer trainings
 - Making Custom Installation affordable
 - Finished templates to meet 8 out of 10 client needs > directly with a single download
 - Unique product philosophie enabling a bandwidth from „Standart Project Templates“ up to „Customising every desire“ all on the very same platform

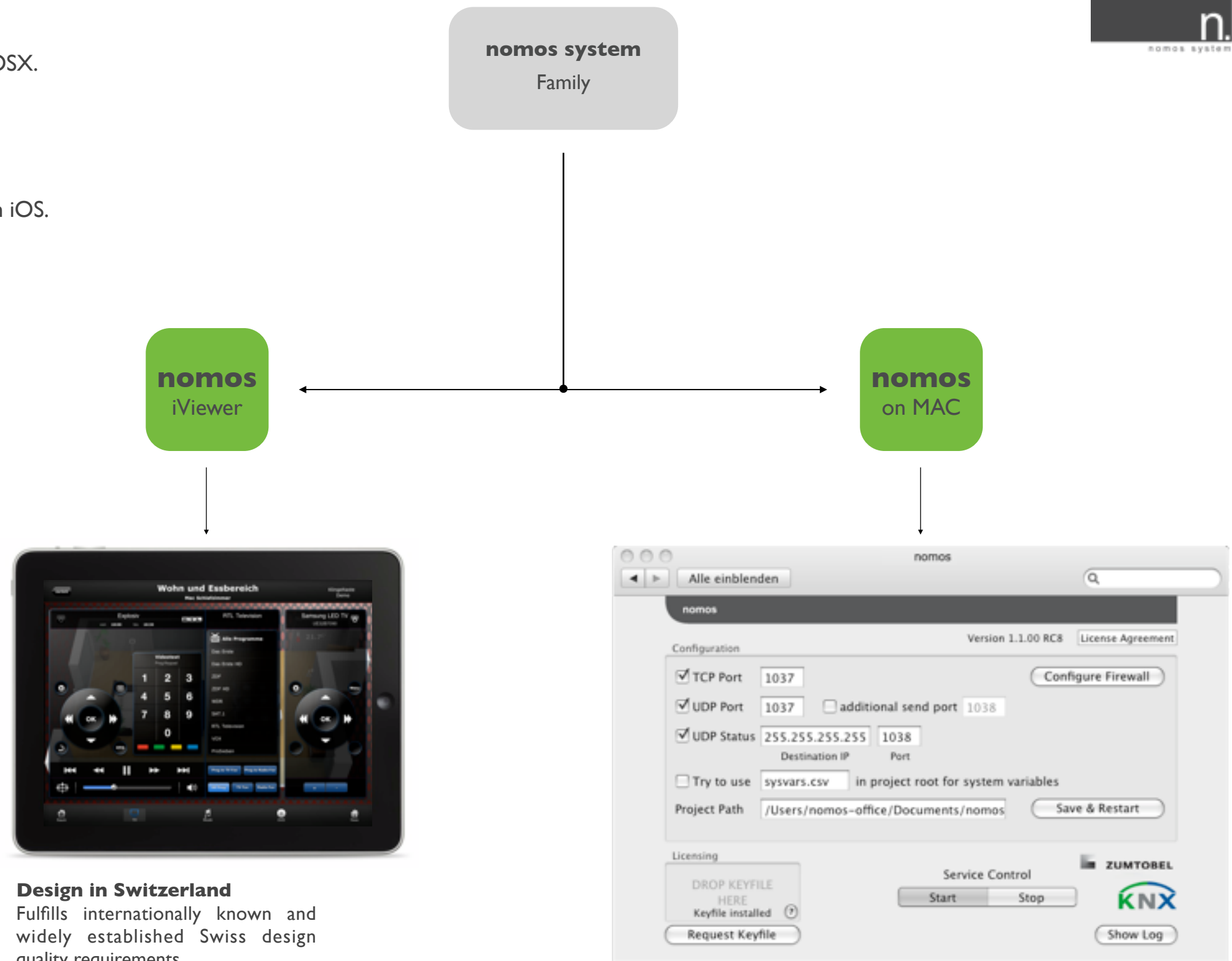


market potential diagram

Showing the overall market potential and in relation the nomos system functionality by maintaining scalability.

products

- nomos MAC Software-Daemon - This is the nomos system software for Apple OSX.
 - Software MPKG
 - Zero configuration installation (MAC as fully controllable Media-Client with an AMX or Crestron Module)
 - License key for 1 Apple MAC Hardware SN
- nomos mRemote-Server - This is the gateway to run the native mRemote-APP on iOS.
 - GUI-files for the iPod Touch, iPhone and iPad
 - nomos Template (Control & Multimedia)
 - Configuration Tool
 - Script Manual
 - Operation Manual
- nomos iViewer - The licence for the mRemote-APP on iOS.
 - License key for 1 Apple Mobile Device ID
- nomos mmc - The **M**ulti **M**edia **C**enter hardware, a LINUX based zone client.
 - OEM Target
 - nomos system Software-Service onboard
 - Zero configuration network integration
 - Professional connectors to avoid loose connection
 - No moving parts
 - Multiple control gateways
 - Laptop-like performance
 - HD Video & DSP
 - Low energy consumption and pocket size aluminium chassis

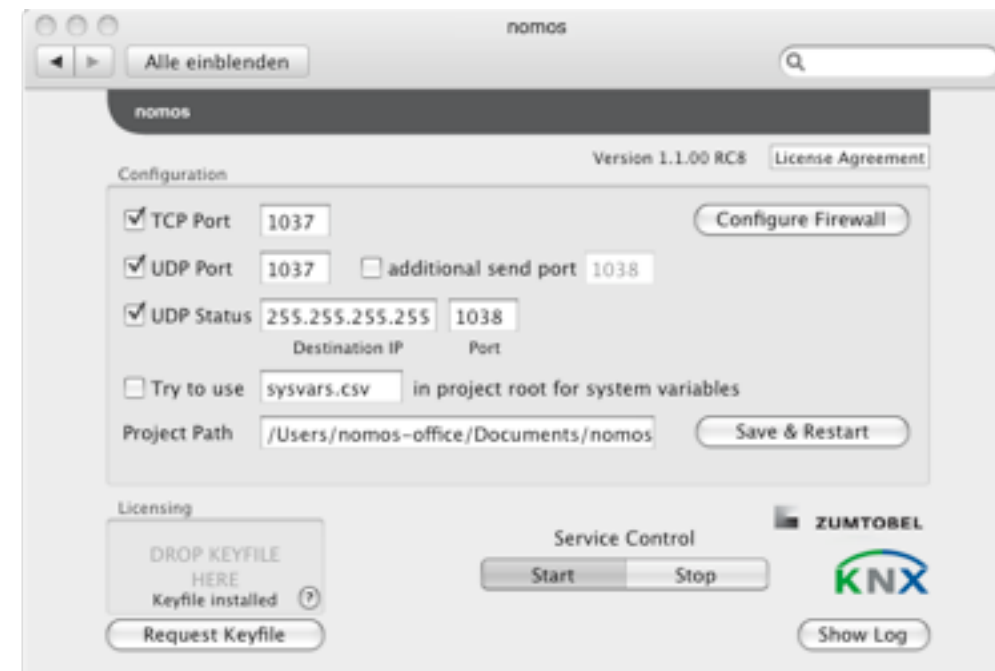
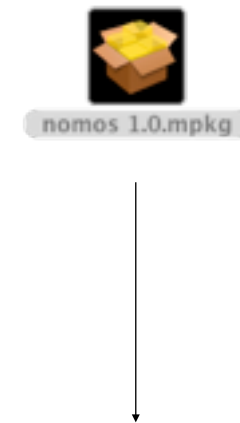


Design in Switzerland
Fulfills internationally known and widely established Swiss design quality requirements.

data sheet: nomos on MAC Software

Software Specification

- General
 - nomos Daemon for MAC OSX
 - Unique MultiMedia client for existing control system
 - Multilayer Info Terminal
 - Website filtering and retrieval
 - Prowl & Growl push notifications (including GUI-App startup)
 - Smart metering support
 - 1090 device protocols in the library
 - Key-Generator linked to Hardware Device ID
- Controls
 - Embedded software control (for iTunes, Elgato eyeTV, TiVo, SqueezeCenter, VLC, DVD, iPhoto, Safari, Finder, PLEX, XBMC and many more)
 - Interaction with Digital-, Analog-, Serial- and List-Joins
 - Event Engine (triggering actions on defined events)
 - Feedback Engine (bidirectional communication between Software and Hardware)
 - Timers, Steppers and Filters
 - Unlimited Custom Scripts
- Commands
 - Streamlined Command-Servers
 - Using .csv with variables instead of creating an overhead with .xml
 - Multiple simultaneous UDP & TCP connections
 - Simultaneously up to 25 AppleTV's
 - UPnP Control
 - Gira Homeserver Control
 - Seamless and simple KNX Control (over ETS-Konfiguration import)
- GUI's
 - GUI-Buttonlist for driving a OSD-Touchpanel over USB 2.0
 - Dynamic graphical user interface (for the iPod Touch, iPhone and iPad)
 - Hosting the graphic files in the controller and push to the iOS
 - Free changeable layouts
 - Rendering procedure to reach higher graphic resolution and dynamic feedbacks
 - NO Java and NO Flash - especially design for Apple iOS



Setting up the nomos MAC-Daemon in 2 Steps

Just install the MPKG on your MAC product, enable the Licence-Key and you are ready to use the Off-The-Shelf product.

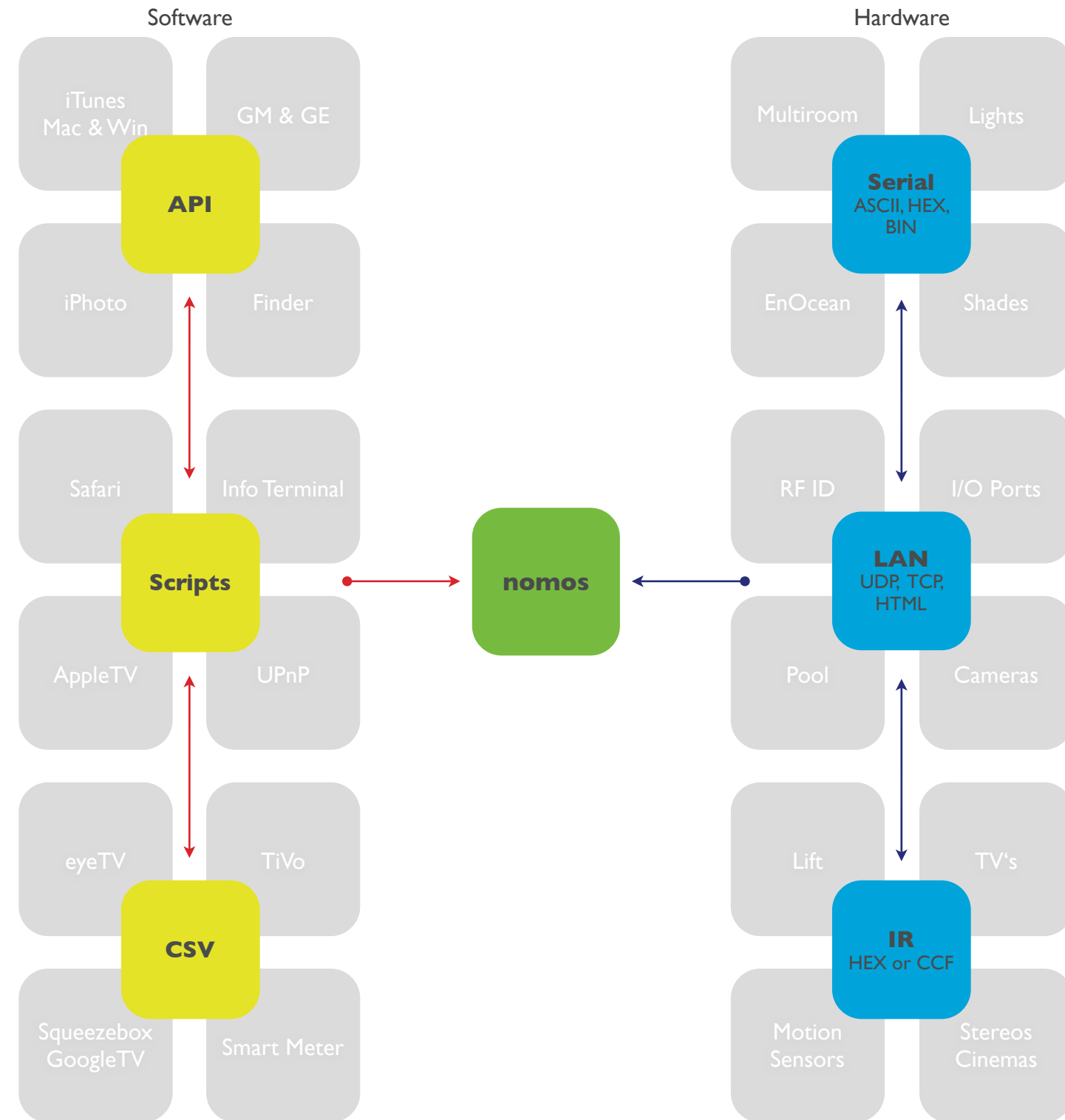
what you can do with the nomos system

Off-The-Shelf market offer

- External Sources (bi-directional)
 - iTunes (from Mac or PC)
 - AppleTV (Audio, Video, Photo and VOD)
 - Logitech Squeezebox-Serie
 - GoogleTV
 - TiVo
 - UPnP
- Special Sources (bi-directional)
 - Apple MacMini (VLC, DVD, iPhoto, Safari, Finder accesses, PLEX, XBMC, Info Terminal and many more)
 - Elgato eyeTV (DVB-C/T/S, ATSC, Live Stream Service, DTT and centralized DVR)
- External Systems (bi-directional)
 - EIB / KNX (Light, Blinds, HVAC, Meteo and Security)
 - EnOcean 868MHz RF for Europe (R&TTE) and 315MHz RF for USA (FFC)
 - Smart Metering (GÖRLITZ Gruppe and Landis+Gyr)
 - Prowl & Growl push notifications (including GUI-App startup)

CEDIA market offer

- External Sources (bi-directional)
 - RS-232 (ASCII, HEX and BIN)
 - IR uni-directional (HEX and CCF-Import)
 - IP (UDP, TCP and HTML)
- Special Sources (bi-directional)
 - Google Earth
 - Google Maps
 - Info Terminal
- External Systems (bi-directional)
 - Lutron HWI
 - ZumTobel (Lights and LED)
 - DMX 512
 - I/O Ports and Relais
 - RF ID



Function Overview

A simple schematic visualization of the main functionality with the nomos system.

configuration

The key to success is the level of configurable flexibility

- Basic
 - nomos system comes with a finished configuration and GUI
 - On our website you can select the components and create the system design for downloading your personal configuration (*coming soon*)
 - Step-by-Step Video (*coming soon*)
- Advanced
 - The nomos system Editor for Windows is the professional tool for system integrators working with nomos
 - Its directly connect to the MAC or nomos mmc over IP - allowing to see the stored configuration live
 - Realtime and dynamical
 - NO compiling - what you see is what you get!
 - You can freely create the configuration, scripts and map feedbacks
 - Assigning KNX functions directly out of the complet list
 - Assigning Digital-, Analog, Serial and List-Joins
 - Classes overview in an intuitive drop-downlist
 - Command overview corresponding to the Classes
 - Script Builder, Test Field, IP/Port settings, BC (Broadcast) Monitor, Systemvars and a very clean LOG-Window - All on ONE Page
 - Comprehensive Operation-Manual and Script-Guide
- Expert
 - Unleashing the power of .csv (Comma-Separated Value) and .myh (m..yourhome)
 - Programming the entire system from top to toe - the nomos system comes with a free and full accessible configuration
 - 5 day training and comprehensive Operation-Manual
- GUI Editing
 - nomos system comes along with a multifunctional GUI-Template
 - Over a third party intuitive design software for windows you can always freely change, adapt and customize the layout for the iPod Touch, iPhone and iPad
 - Easy as making a Powerpoint or Keynote presentation

The image displays three overlapping screenshots of the NOMOS AG KNX configuration software. The top-left window, titled 'NOMOS AG', shows a list of KNX objects with columns for Join No., State, Join Type, and Cache Type. The top-right window, titled 'KNX ASSIGNMENT', shows the configuration for a specific object (15/2/184 - Geli.DimBellp.WertStatus), including its group address (15/2/184), priority (Low), and a list of EIS (Extended Interface Specification) type definitions. The bottom window shows a 'Server' interface with a command list and a log window displaying system messages.



nomos Editor
Like an onion, the nomos system also offers flexibility in configuration. From a basic 2-Step setup to expert-level with full flexibility and access to the system.

nomos Zone Client over ONE SINGLE PROTOCOL = Fully Bi-Directional and ZERO configuration on OSX

Frontend Level

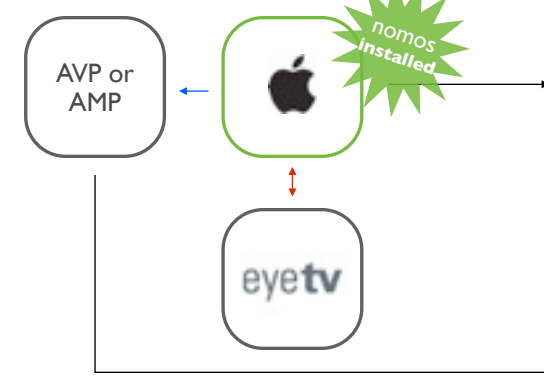


Automation Level

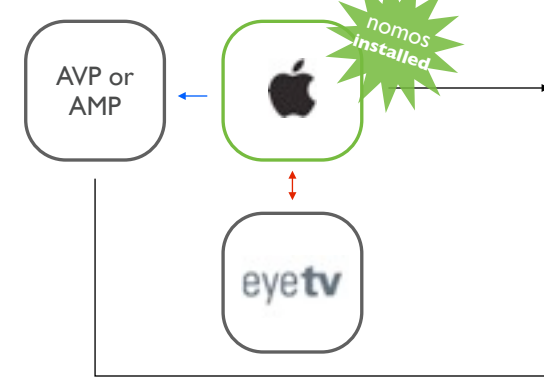


Field Level

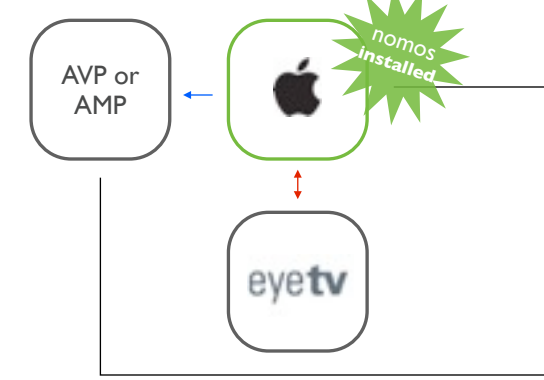
SRC for Living Room



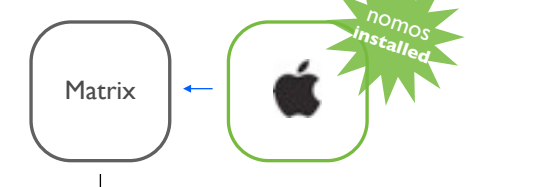
SRC for Bed Room



SRC for Guest Room



SRC for Multiroom



nomos Gateway and STILL over ONE SINGLE PROTOCOL = Fully Bi-Directional and ZERO configuration on OSX

Frontend Level



Automation Level



Field Level



Bi-directional Control



Interaction



Notification & Synchronization



...and the World gets even simpler
Reducing the system to the max.

nomos system

over one SINGLE configured master; from the Frontend, to the field level and beyond...

Frontend Level



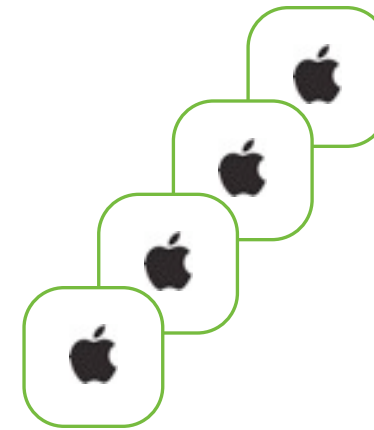
Automation Level



nomos system software
Bi-Directional Control & Media Client



Field Level



as many MAC's as you wish -
BUT still WITHOUT configuration.



**Feedback based
InfoTerminal overlay**

... as a side note:
This nomos features are available on LINUX too, offering a wide range of OEM appliance. If a Company would manufacture and implement the nomos LINUX Service in a suitable Hardware, it would achieve the full home controllability and uniform their product portfolio in a single step.



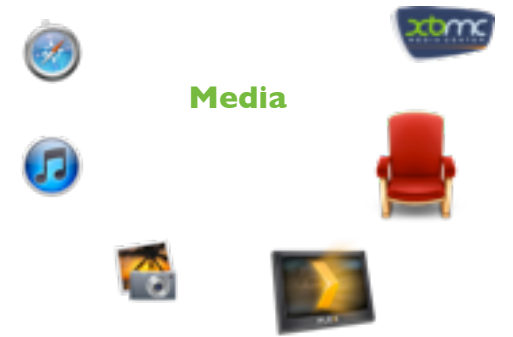
Interaction



Notification & Synchronization



Media



**Bi-directional
Control**



nomos in real life - our references



iBrabus

Just a simple sample of how the automobile industries could benefit.



GUI's

The new and dynamic GUI for the iPad



Up-To-Date

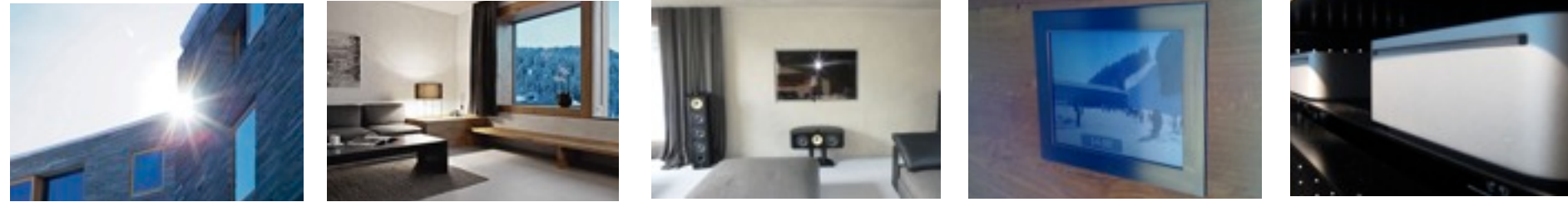
The development team of nomos completes also special projects to improve the product. We are frequently offering hands-on trainings at central places.



nomos in real life - our references

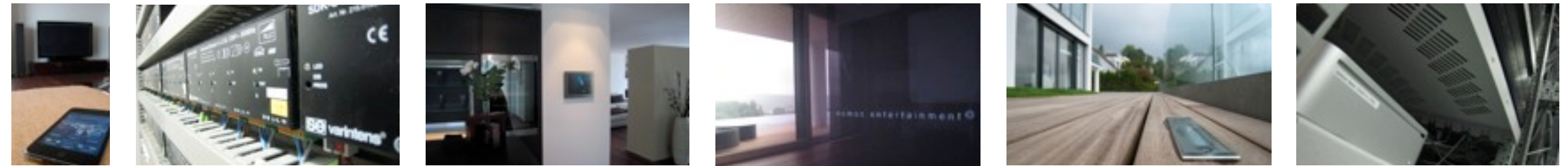
Rocksresort, Laax

Superior four zone penthouse integration of interior lights, digital TV, audio- & movie-server, Resort Info-Terminal, CCTV and ski-slope effect lights.



Country House, Lake of Zurich

A family of four enjoys nomos automation throughout the house. A KNX system with over 75 dimming actuator's, Nuvo Multi-room in 15 zones, audio- & movie-server, digital TV, doorbell, intercom and PLC/ SPC connection for the alarm system.



IFE PC-12, Pilatus Aircraft Ltd. (Concept)

According to DO-160E we translated the nomos values into a compatible hardware solution, the result is the first symmetrical IFE system. That leads to transporting HD Audio and Video via one symmetrical Cat6e cable.

