DATA DRIVEN SIGNAGE
PADS4 EMPOWERS YOUR MESSAGE
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PADS4. ONE PLATFORM FOR ALL YOUR SIGNAGE SOLUTIONS

Communication is a crucial element of business, whether internally in HQ or logistics, or to customers and clients on retail and distribution floors. Modern businesses have the advantage of digital networks and data sources, which they can utilize to deliver powerful solutions where they are most needed. However, few companies have the tools to utilize or distribute data through their networks.

PADS4 is a powerful all-in-one digital signage platform, capable of transforming data sources into smart and versatile signage. With PADS4, you can utilize digital signage as a tool for connecting with consumers, advertising, wayfinding, corporate communication, queue management, and corporate branding using intelligent data filtering and application.

Full-Service Platform

PADS4 offers a full suite of digital signage tools, giving you complete control over your displays.

- Design
- Schedule
- Deliver
- View
- Manage
**Endless Capabilities**

By integrating all your data sources and screens, PADS4 can meet the needs of diverse industries with complex internal and external communication problems. Static playback is no longer enough to meet business needs, which is why PADS4 supports real-time data integration, If-This-Then-That programming, and dynamic content display. Modern digital signage must be targeted and personalized and PADS4 makes that possible.

PADS4 allows you to link up with any data source or pre-existing workflow, to set pre-defined scenarios to create automatic updates in response to real-time situation changes, and to create custom applications for your individual needs with SDK.

- Personalize and optimize the impact of advertising messages
- Combine reports and data with videos to reduce downtime
- Send instant updates to desktops
- Integrate databases into smart digital signage
- Create dynamic menu boards that change based on the time of day or the temperature
- Deliver dynamic wayfinding with real time arrivals and departures
- Integrate digital dashboards to show KPIs, a brand message, or to motivate or inspire
- Integrate video streams to show television while displaying network data, wayfinding, arrival times, or dynamic traffic and public transport updates.

**Seamless Expansion**

PADS4 is as flexible as you are, and allows you to seamlessly expand your network, introduce new data sources, or use a network as a template. And with 16,000+ screens supported, you can reach corporate offices, manufacturing, distribution centers, logistics, advertising, and the retail floor, all with the same network.

PADS4 is a global digital signage solution, used by nearly one third of the world's top companies.

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*One in three of the top 100 worlds most recognized brands already use PADS4.*
A COMPREHENSIVE SOLUTION FOR TARGETED DISPLAY COMMUNICATION

From simple welcome messages to real-time information on thousands of displays, PADS4 is the reliable software solution for all your digital signage applications.

PADS4 DESIGNER - DISPLAY YOUR CONTENT THE WAY YOU WANT
Create stunning presentations using PADS4 Designer. With features including rich text, YouTube and Internet integration, PDF and IPTV, PADS4 Designer can do it all. Just drag & drop your content into PADS4 Designer to create dynamic presentations.

PADS4 SCHEDULER - YOU DECIDE WHEN AND WHERE
Determine when and where to show your presentations and use PADS4 Scheduler to make it happen. Use the step-by-step wizard or drag & drop your presentation into the calendar. It's that easy.

PADS4 SERVER - FAST & EFFICIENT DELIVERY TO YOUR DISPLAYS
PADS4 Server delivers your content to the right displays in your digital signage network. From across the room to across the world, PADS4 Server is effective and efficient.

PADS4 AGENT - MONITOR YOUR NETWORK PERFORMANCE AND STATUS
With PADS4 Agent you can easily monitor your network status and performance.

PADS4 Agent is the perfect tool to remotely inspect and manage network connections, memory usage, detailed system info, and more. Plus, alerts warn you before problems occur.

PADS4 VIEWER - SMOOTH CONTENT PLAYBACK
Play your scheduled presentations perfectly with PADS4 Viewer. Delivery is crucial to your message, and PADS4 Viewer plays your presentations beautifully at the right moment.

PADS4 DESKTOP COMMUNICATION - TARGETED DESKTOP COMMUNICATION MADE EASY
Extend your internal digital signage communication network to Desktop PCs, laptops and tablets with PADS4 Messenger and PADS4 Desktop Viewer.
PADS4 DESIGNER
DESIGN STUNNING PRESENTATIONS FOR DIGITAL DISPLAY

Get creative with digital signage using PADS4 designer. Our drag and drop interface makes it easy to design with high-end features to create beautiful, dynamic presentations for digital signage.

POWERFUL DESIGN FEATURES
PADS4 designer offers powerful design tools to help you create stunning presentations. With premium features like rich text, YouTube video, Internet pages, PDF, IP TV, and much more, you can integrate all your data to create truly dynamic displays.

And, with a familiar Office-like interface and simple drag and drop controls, you can get started with a minimal learning curve.

Our simple design interface hides advanced features to enable endless possibilities.

UNRIVALLED DATA CONNECTIVITY
PADS4 is all about data. Our PADS4 designer allows you to integrate live data from external sources in as little as a few clicks of your mouse. Use our interactive Wizard to link page elements to data providers like RSS news feeds, Microsoft Outlook Calendars, or local Microsoft Excel files.

With support for nearly 100 data sources, ranging from simple text files and generic database drivers to MS Exchange and SharePoint, you can get more from the data you own. Bring your data to life with integrated dynamic charts, tables, and graphs to show real-time feeds and information in an appealing layout. Or, embed your existing PowerPoint presentations in PADS4, embed an area from your website, or stream live data.

GET IN CONTROL OF YOUR PRESENTATIONS
Save time and money on visual design with PADS4 Designer. Our tools allow you to import existing content from media files, databases, and live feeds, integrate layouts and visual effects, and quickly create an attractive presentation.

PADS4 Designer offers advanced options including data scrolling, filtering, and conditional rules so you can create truly dynamic presentations that respond to real-time data.
PADS4 DESIGNER – Key features

Interactive presentations
Get in touch with your audience. Include interactive content like Flash, Internet pages or interactive buttons and let your audience decide about the information they want to see. Interact via a mouse, keyboard or touch or the intelligent way by QR codes, RFID, NFC or a camera in combination with audience recognition software.

Social media
Make your screens social by connecting them to social media. Link to Facebook, Twitter, Google+, YouTube, Flicker, Picasa or Instagram and have PADS4 automatically merge the latest tweets, videos or images into your presentation. All this on a real-time basis and of course in the layout that you have chosen.

Live TV or IPTV
Enrich your presentations with live TV. Add a TV card and tune into your favorite channel. PADS supports analog TV as well as digital TV from cable, satellite or terrestrial. As an alternative use IPTV technology by streaming TV feeds from a central location using third party products for IPTV.

Share media files
In PADS4 Designer you can work with media files in all well-known file formats. Place your images, videos and Flash files in the PADS4 Content library and they will automatically be uploaded and shared among all users of your PADS system. To manage your files in the PADS4 Content library use the PADS4 Content Organizer tool.

Design for any display
A 4K resolution for an Ultra HD display, a video wall of 6 screens or a LED wall with a custom resolution? PADS4 supports it all. Design for a specific resolution to get the best quality or choose automatic scaling for optimal flexibility. The zoom features of PADS Designer ensure that you can design for any resolution with ease.

Live presentation preview
Curious to know how your presentation will look like? With the included preview function you can view the results of your creativity at a glance. During playback you will see a fully functional preview of your presentation, so you get to see the ‘real picture’.
PADS4 SCHEDULER
GET IN CONTROL WITH EFFICIENT SCHEDULING

PADS4 Scheduler offers a simple interface with high-end scheduling tools to give you complete control over your display calendar. With a familiar Office-like interface, a step-by-step wizard, and drag and drop functionality, you can get started in minutes to distribute and schedule all your presentations.

Plus, with smart functions, filters, and variables, you can easily determine when and where to display based on location, on one screen, thousands, or even as a desktop screensaver.

With smart scheduling features, you can schedule presentations to appear for a fixed period of time, on a recurring basis, or in response to real-time data using smart If This Then That rules.

UPDATE IN REAL TIME
Stay in control of your presentations no matter what. PADS4 Scheduler allows you to make real time changes to content, adjust presentations, and create new schedules within seconds.

Drag and drop tools make it easy to quickly adjust display periods, change recurring scheduling, and add new content to your calendar with a few clicks of a mouse.

Make last minute changes to presentations right in PADS4 Scheduler. Just open your content, update it, and instantly distribute to your entire network of screens.
PADS4 SCHEDULER – Key features

Schedule wizard
Perform scheduling tasks in a snap with the schedule wizard. Just select a presentation, destination and display period and PADS4 will do the rest. To meet your complex scheduling requirements use presentation playlists, timetables or one of the many options for recurring schedules. It’s all just a case of following the wizard.

Presentation playlists
Use your predesigned presentations to compose and schedule a playlist. Decide on the fly about the pages of your presentations you want to include. PADS automatically calculates the total duration of your playlist, so you know exactly how much time is left to fill your display period.

Recurring schedules
You want to have your presentation play every first Monday of the month from 8:30 AM until 10:30 AM for the next 6 months? No problem with the comprehensive set of recurring options you have in PADS4. From yearly to daily recurrence, repeat your presentation when you want.

Priority scheduling
Work with priority levels to set the importance of your presentations and make sure the right information is displayed in case of overlapping schedules. Use the predefined levels or define your own. Reserve the highest priority for emergency situations where you must be assured that your message is shown.

Unlimited grouping
Organize your displays in logical groups with relevant names and save an enormous amount of time. Schedule your presentation to a group and it will automatically play on all displays of the group. Nest your groups into other groups or place your displays in multiple groups to find the grouping that works best for your organization.

Role based security
As administrator you decide who has authority to control the scheduling of presentations. Give users restricted access to specific displays or a zone on the screen, depending on their role. Set the maximum allowed priority level, so you can always overrule the presentation that is displayed.
PADS4 SERVER
NEXT LEVEL PRESENTATION DELIVERY

With real-time delivery capabilities, local storage, and instant delivery and updates, PADS4 Server ensures that your presentations are displayed in the right place and the right time, every time. PADS4 Server enables you to distribute your presentations to your digital signage network from anywhere in the world, so you can easily manage your entire signage network.

Just schedule your presentations, and PADS4 Server will instantly forward and store them locally on displays. Then, your presentations will play exactly on time, even when your network is offline. And, create beautiful presentations and serve them together with real-time data like RSS, IP TV, or live data feeds.

OPTIMIZED NETWORK COMMUNICATION

Optimize your network communication with efficient data usage and management. With features including automatic data compression to reduce bandwidth consumption and local caching to prevent retransmission, PADS4 Server reduces your network load.

Control when and how data is distributed using defining filters to schedule and arrange targeted distribution of media files with predefined timeframes and bandwidth caps.

PADS4 Server allows you to control server load and network traffic to meet your individual needs.

GROW WITH YOUR NETWORK

PADS4 Server is designed to work with hundreds of connected displays. However, as digital signage becomes more prominent, digital signage networks are growing. For this reason, PADS4 Server is completely modular, allowing you to add PADS4 Sub Servers and link them to your primary server to extend the capacity of your system.

Our largest PADS4 installation supports 16,000 screens. It grows with you.
PADS4 SERVER – Key features

Content sharing and delivery
Media files in your PADS4 Content library are automatically shared with all PADS4 users and delivered to your displays by PADS4 Server. Additions or updates you make are instantly uploaded and shared to ensure that the content of your entire signage network is always up-to-date.

Collecting real-time data
Centralize collecting live data for your presentations. Let PADS4 Server collect the data for you and feed your displays with real-time information. Use it to limit the calls to your data sources, to improve performance or as a solution to collect data in secure environments.

Backup server
Add a PADS4 Backup server to your network and create a reliable fall-back mechanism for your mission critical digital signage network. Link your Backup server to the primary PADS4 Server at it’s ready to take over its role in case of failures.

Cloud based server
Looking for a cloud based solution? Then it’s good to know that the PADS4 Server is fully capable to run in the cloud. Several partners of Net Display Systems already offer cloud based PADS solutions. Get in touch with us, if you want to know more.

Integrated security
Secure access to your PADS4 Server by using a password required logon for your displays. This is especially recommended when your PADS4 Server is accessed over the Internet. Use the built-in permissions for access, data or content to give your PADS4 users secure access to your PADS4 server.

Active directory
Connect PADS4 to your Microsoft Active Directory and use the advantages of central user management. Create an LDAP user in PADS4, link it to an existing Active Directory user and automatically inherit all user credentials from Active Directory.
PADS4 AGENT
MONITOR YOUR PADS4 NETWORK

PADS4 Agent is the perfect tool to monitor the status and performance of your digital signage network. Once your signage goes live, it's important that you have the tools to manage performance.

Network connections, memory usage and detailed system info are just a few of the many metrics you can remotely inspect with PADS4 Agent.

MONITOR YOUR PADS4 NETWORK
Save time, reduce your budget, and cut downtime with smart monitoring tools that help you track your network performance. PADS4 Agent enables remote monitoring to inspect network connections, memory usage, detailed system info, and more - all from a central location.

Automate the monitoring process using predefined tasks with built-in auto recovery and automatically receive notifications in case of failures.

MANAGE YOUR DISPLAYS REMOTELY
Manage displays across your entire network from one central location. Whether your digital signage network extends across the building or across the world, PADS4 Agent can connect, update, and configure your PADS4 Viewers. Distribute new content, install new fonts, generate live screenshots, and more, through a remote connection, invisible to your audience.

Use PADS4 Agent to remotely execute or schedule important tasks (like software updates or reboots), or set up Wake-on-LAN to switch off displays when not in use to save energy.

MAXIMUM TRANSPARENCY
Quickly trace and identify problems using PADS4 Agent to minimize downtime. Analyze black boxes, check memory usage, inspect logs, and follow real-time data delivery to understand your network.

PADS4 Agent uses a unique black box concept to automatically log key configuration and performance details including memory consumption history to help you trace problems.
PADS4 AGENT – Key features

Analytics
Get the black box of a PADS4 Viewer or PADS Server and analyze it offline, follow the collection and delivery of data at real-time or check the download progress of media files. With PADS4 Agent you have many tools to analyze your digital signage network.

Alerts
Have PADS4 automatically monitor network connections, memory usage or hard disk space. Automatically receive an alert by e-mail, alarm sound or taskbar notification when a failure could not be automatically resolved by the system.

Scheduled tasks
Schedule Server or Viewer tasks to be executed at predefined times. Tasks will be locally stored and processed at your PADS4 Server or PADS Viewer and of course you receive full details about the results.

Proof-of-play
View the collected Proof-of-Play information to know exactly where, when and for how long your content has played. Export the information to Excel or other third party applications for billing purposes.

Automatic updates
Fully automate the download and installation of PADS4 software updates and be ensured you always run the latest software. Or choose to stay in control and decide yourself when downloaded updates will be distributed across your network and installed.

Connect from anywhere
Use PADS4 Agent to check your signage network from anywhere in the world. Even with large installations across multiple sites. Just get connected with one of your PADS4 Servers and have access to your entire signage network.
PADS4 VIEWER
SMOOTH CONTENT PLAYBACK

Create a smooth content playback experience with PADS4 Viewer and reach your audience at the right time with beautiful presentations. PADS4 Viewer gives you the tools to merge content from media files and live data from RSS news, social media, and other linked data sources, to create presentations that update in real-time, so your content is truly dynamic.

Create If This Then That Rules to update your content based on predefined events, and change to customized content, layouts, and data to engage with your audience in real time.

MULTIPLE FORMATS TO MEET YOUR NEEDS

No two companies are alike. That's why PADS4 Viewer is available for multiple platforms and in different versions, so you can choose the option that best suits your needs. Choose a PADS4 license and platform that meets your functionality, budget, and network needs for maximum efficiency.

Maximize your possibilities with the Microsoft Windows based PADS4 Viewer, choose the PADS4 HTML5 Viewer for a cost-effective, multi-platform solution or use the PADS4 Desktop Viewer to bring digital signage to desktop PCs.

Scale PADS4 Viewer to your needs with the right license. Choose the features you need now, upgrades are simple, and don't require a reinstallation.

PADS4 Viewer is available with BASIC, XPRESS, and XPERT licensing to help you get the most from your budget.
PADS4 VIEWER – Key features

Any display, any resolution
PADS4 Viewer supports displays of any size or resolution. Use a standard display in landscape or portrait mode, an Ultra HD display with a 4K resolution or even a video wall to play your content. Optionally, add interactivity to your presentation to run it on touch screens.

PADS4 HTML5 Viewer
With PADS4 HTML5 Viewer you have unique, platform-independent player software for a cost-effective signage solution. Ideal for Android or Linux based player devices. The intelligent Viewer software uses local caching – instead of streaming – to ensure that your presentation will continue to play, even when the network connection is lost.

PADS4 Desktop Viewer
Extend your digital signage network to the PCs of your staff and create one total signage solution for internal communication. Use PADS4 Desktop Viewer as screen saver to inform your staff or send targeted messages that will automatically popup on the screen as an alert. Use read receipts to get confirmed that you messages have been read.

Optimal performance
PADS4 Viewer has been optimized to minimize network traffic and offer a stable, reliable solution with optimal performance. Scheduled presentations, media files and real-time data are locally cached to reduce network and bandwidth usage and to play uninterruptedly in case of network failures or a restart of your player device.

Proof-of-play
Instruct your presentations to collect detailed proof-of-play information to know about the content that has played or to track on user interaction. Logged information is automatically forwarded and centrally stored on your PADS4 Server where you can analyze and process it.

Audience measurement
Combine PADS4 Viewer with a camera and third party audience recognition tools to collect information about the audience looking at your presentation. Use collected data like gender or age range in your PADS4 presentation to respond to it with targeted content.
PADS4 DESKTOP COMMUNICATION
A POWERFUL SOLUTION FOR TARGETED DESKTOP COMMUNICATION

Introduce digital signage and internal corporate communication on Desktop PCs, laptops, and tablets with the PADS4 Messenger and PADS4 Desktop Viewer.

Send active messages with desktop alerts and popups or send passive corporate and branding information on screensavers. PADS4 makes internal communication easy.

PADS4 MESSENGER
Actively push popup messages to displays on your network to instantly communicate with employees and staff. Whether it’s one desktop, or thousands around the world, PADS4 Messenger shares your presentations in real time.

Create unique messages or adopt the same content as your public displays, and schedule it as a message for targeted desktop communication. Whether you're reminding employees of sales, offering inspiration, or sending alerts regarding policy changes or deadlines, PADS4 Messenger can do it.

With smart tools to update, reschedule, or remove messages from inboxes, you are in full control of who gets your message and when. And, with optional read-receipts, you can track where your message has gone.

PADS4 DESKTOP VIEWER
Share passive messages through desktop screensavers to offer updates, instructions, news, and real-time company data. The PADS4 Desktop Viewer can distribute your message to every display on your network, or just to one, so you can send targeted and personalized information.

Set the PADS4 Desktop Viewer as a screensaver to automatically play presentations. Or, set up manual viewing with the PADS4 Desktop Viewer inbox.
PADS4 VIEWER LICENSE TYPES

The PADS4 Viewer application is available for multiple platforms and in different variants. This allows you to choose the most suitable Viewer type in terms of functionality and pricing for your digital signage network.

Maximize your possibilities with the regular Microsoft Windows based PADS4 Viewer, choose the PADS4 HTML5 Viewer for a cost-effective solution that runs on multiple platforms or bring digital signage to the PCs of your staff with the PADS4 Desktop Viewer. Depending on the type of content you want to play, choose between a BASIC, XPRESS or XPERT Viewer.

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* The support of this element varies per device and Internet browser.
** When PADS4 Desktop Viewer is used as screen saver it will run for a maximum of 4 hours after activation.
PADS4 SDK

DEVELOP YOUR OWN UNIQUE DIGITAL SIGNAGE SOLUTION

Take digital signage to the next level with your own unique digital signage solution, powered by PADS4.

Extend the features of your presentations by developing your own Add-ons. Use the powerful data connectivity features of PADS to automatically feed your Add-on with real-time data. Add your Add-on to PADS Designer and let it automatically adapt the look-and-feel of PADS4.

Use the Software Development Kit to enhance PADS4 with your own features, to develop custom digital signage Apps or to entirely replace one of the PADS4 applications with your own solution.

Powerful software development kit

With the PADS4 Software Development Kit you use the same Application Programming Interface (API) as the standard PADS4 applications like PADS4 Scheduler, PADS4 Viewer and PADS4 Agent. This gives you all the tools you need to develop a custom signage solution.

Because the PADS4 SDK is based on the standard Microsoft .NET development environment you don’t need to learn a complex scripting language. Any software developer familiar with .NET programming languages like VB.NET or C# can directly start using the SDK.

Developing a PADS4 SDK solution doesn’t need to be complex. Just use one of the sample projects as a starting point, make some adjustments to add your own features to the signage network and let PADS4 do the rest!

The PADS4 SDK offers

- Powerful API to develop custom signage solutions
- Based on standard .NET programming languages
- Quick development using PADS features
- Detailed reference guide
- Sample projects including source code
WE ARE DATA DRIVEN EXPERTS

PADS4 connects with data sources and dynamic content to create truly smart digital signage.

Our product, PADS4, is the most complete smart digital signage solution. We worked hard to build a platform around user needs, and PADS4 reflects that with smart tools, data integration, and everything you need to design, distribute, and play visual media on your screens. From data-driven solutions to a simple drag-and-drop interface, PADS4 takes digital signage to the next level.

Design displays, schedule presentations, play content, and manage distribution from one central location with PADS4. From simple one-screen applications to complex displays on thousands of screens, PADS4 can connect data sources to create and distribute content to scale. PADS4 makes digital signage work for you. Get in Control.

NDS – proud developer of PADS4

CUTTING EDGE DIGITAL SIGNAGE SOFTWARE
Pioneers in digital signage solutions

NDS (formerly Net Display Systems) developed our first digital signage solution in 1994, at the cusp of the digital revolution. Our focus on data-driven solutions enabled us to stand out, even as one of the first digital signage software providers. We’ve stayed true to that from day one, and we can truly say that data is in our DNA.

Today, we’ve continued to ride the wave of modern technology to provide next-level solutions in our high-end digital signage software. PADS4 is one of the leading digital signage software platforms, with flexible and scalable solutions for every industry.

We maintain a brand presence in over 75 countries through our extensive partner network. Our partners are dedicated and specialized professionals, who provide installation, training, support, and custom applications for PADS4.

Why choose NDS?

- 20+ years of industry experience
- Brand presence in 75+ countries
- 1 to 10,000+ screens installation capacity
- Experts in data connectivity
- NDS is a global player
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