## Examples of Digital Signage Deployments by East Japan Railway Company

## December 13, 2011

East Japan Marketing & Communications, Inc.





## **Train Media: Advertising on trains**

Advertising posters in trains, ads above the windows, ads on stickers, ads on the exterior, etc.



Photos: /jeki website

## **Characteristics**

- 1) Effective regional media: Can be deployed in any specific region.
- 2) Media with extensive coverage of the Tokyo Metropolitan Area : Reach is broad.
- **3**) Compelling visual contact/repetitive contact : Consumers are exposed to ads repeatedly along with the flow line of their daily life.
- 4) Effect of imagery transfer: Recollection rate via other media is high.
- 5) Recency effect: Contact takes place right before purchase.

## Needs

- 1) Advertising expressions in different time slots and geographical areas Examples: Coffee in the morning; healthy beverages in the daytime; alcohol in the evening; desire to place an ad in specific areas or stations.
- 2) Interactivity
  - Necessary information can be provided to users when they need it.
- 3) Understanding of the attributes of users
  - Is the message conveyed to the intended users accurately?





### **Advantages of Digital Signage**

- Ability to respond to the changing needs of clients
  - 1) Location- and time-conscious exposure : More meticulous plans for advertising
  - 2) Coordination with other media: TV, Web, mobile, SNS, etc.
  - 3) Strengthened accountability: Broadcasting log and computer-based readership score.
  - 4) High cost performance: Use of a single source for multiple applications
  - 5) Creation of news values: Use of AR, 3D, etc.

## Approach to Digitization

**Replacement of conventional media as the main approach** 

- 1) Train Channels in trains => Digitization of ads above train doors
- 2) J AD Vision inside stations => Digitization of posters and signboards

## **Characteristics**

- <u>Centralized management and batch delivery:</u> Able to consolidate the management of media with large volumes of advertising.
- <u>Time sharing</u>: Able to present different contents in different time slots.
   Examples: Coffee in the morning; healthy beverages in the daytime; beer in the evening
- Selection of geographical areas: Able to show different contents in different areas. Examples: Differentiation depending on the characteristics of stations and the time of contact
- <u>Support of diverse media:</u> Able to deliver and display various forms of digital data including video, still image, Flash, and HTML.



## Image of the network (Advertisement model)



## Signage in trains: Train Channels

(JR Yamanote Line, Chuo Line, Keihin Tohoku Line, Narita Express, Keiyo Line)









Train Channels on the Yamanote Line

On the Chuo Line

#### On the Keihin Tohoku Line

On the Narita Express

OLCD screens installed above train doors to deliver videos. O2002: Launched on new train carriage on the Yamanote Line in sequence.

O2006: Launched on the Chuo Line.
O2007: Launched on the Keihin Tohoku Line.
O2009: Launched on the Narita Express.
O2010: Launched on the Keiyo Line.

Yamanote Line: 52 train formations x 88 screens = 4,576 screens Chuo Line: 68 train formations x 80 screens = 5,504 screens (sum of train formation patterns) Keihin Tohoku Line: 83 train formations x 80 screens = 6,640 screens Narita Express: 22 train formations x 32 screens = 704 screens Keiyo Line: 24 train formations x 80 screens = 1,920 screens

(installation to be completed in August 2011)



On the Keiyo Line







## Train Channels: Examples of programs



Video news clips



#### Still image news clips



Weather reports Copyright © 2011 jeki. All Rights Reserved.

**OEntertainment and** other content



#### Quizzes

Local information



#### Entertainment (Game)





Trivia (Quotes)

Trivia (Space)

- Characteristics of Content
- **O** One program lasts for 60 seconds in principle.
- O The ratio between content and commercials is roughly 4:6.
- **O** Popular programs include news, weather reports, and cartoon films.
- **O** A focus is on differentiation from mass media.
- **O** Rolls are organized in view of average boarding hours.
- O In constructing short programs, attention is given to visibility and the lack of sound.

## Network expansion of signage in trains

West Vision by West Japan Railway Company Shinagawa カリーグ、ダルビッシュを公式 **OSince July 2009:** Signage in Tokyo and Osaka has been connected to form a network through coordination among railway signage operators.

Train Channels by East Japan Railway Company

## Signage inside stations: J AD Vision





65-inch screens at Akihabara Station Denki-Gai Exit (8 units)



65-inch screens at Akihabara Station Central Exit (7 units)



\*Inclusive of 16 units at Sendai Station.

52-inch screens at Yokohama Station Central Passage (5units) 225 Screens at 16 Stations in <u>Tokyo Metropolitan Area</u> 264 Screens at 31 Stations in <u>Eastern Japan Area</u>



65-inch screens at Shimbashi Station (10 units) 65-inch screens at the Tokyo Station Central Passage (11 units)



65-inch screens at the Tokyo Station Keiyo Passage (10 units)





65-inch screens at Shibuya Station (8 units)

OSome screens have been installed vertically to directly confront the flow of customers. OScreens support video and still images, and clock synchronization (no sound).

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65-inch screens at the Yokohama

Station South Exit (16 units)

#### jekí **Examples of Digital Signage Deployments**

65-inch screens at the unrestricted passage of the Shinagawa Station (44 units) ニュース:経済・IT 金融・財政 産業・ビジネス Ⅱ 写真 ↓この記事でブログを書く 図引用ブログ一覧 図 メール 総 メッセ 🚔 印刷 44面の大型液晶ディスプレー JR品川駅に国内最大規模 暗れか祝祭 の広告 4.4 sun 11:00-16:00 2010.3.29 14:51 このニュースのトピックス:外食 JR東日本は29日、東京・品川駅中央通路に44面の 大型液晶ディスプレーを配置した広告の展開を始め た。駅ナカのデジタル広告としては国内最大規模とい S. ディスプレーの大きさは65インチで、この日は6社の 広告が放映された。動画放映などによって表現力の高 羅時は<mark>通路中央</mark>をご通行ください をお願いします い広告宣伝が可能で、同社の広告関連会社、ジェイア レイー広告媒体「デジタルポスター」=29日 午後、東京·JR品川駅(古厩正樹撮影) ール東日本企画では「朝に野菜ジュースの宣伝を出し たり、夜に居酒屋の広告を出すなど時間に応じて放映する広告を切り替えられるため、効果 朝の混雑 的なPRができる」としている。 JR東日本では、デジタル広告に力を入れており、現在12駅18カ所に170面を展開。来年 度も100面程度の設置を検討している。 Stiller of Stiller er このニュースの写真 2010.3.29 Sankei News デジタルポスター、切り替え瞬時に JR品川駅に登場 2010年3月29日 📵 🍕 📲 🖉 🧧 📋 印刷 🔐



2010.3.29 asahi.com

#### JAD Vision: Trends in sales and number of screens



## Network expansion of signage inside Stations



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### **Demonstration experiment for Eki Digital Signage Network**



**OJoint demonstration experiment for digital signage inside major stations in the Tokyo Metropolitan Area** 

- Term: June 21, 2010 through the end of March 2012
- Main Entity: Digital Signage Promotion Project (consisting of the following 11 companies listed in the Japanese alphabetical order)

Odakyu Agency Inc.; Keio Agency Inc.; Keikyu Ad Enterprise Co., Ltd.; Keisei Agency Co., Ltd.; jeki; Seibu Railway Co., Ltd.; Tokyu Agency Inc.; Bureau of Transportation of the Tokyo Metropolitan Government; Tobu Railway Co., Ltd.; Metro Ad Agency Co., Ltd.; and Monorail Agency Co., Ltd.

• Locations for Installation: 27 screens in 20 stations of 11 railways (52-inch, horizontal screens in principle)

\*All sites are equipped with a facial recognition system to verify different indicators of effectiveness.







### **Establish a position as transit media**

- Networking: Standardization of specifications
- Focus on contents and methods of expression: Differentiation from mass media
- Establishment of measurement methods for media value: Use of audience tracking data
- Introduction of new technologies: 3D, OLED, full-segment ground digital broadcasting service (concurrent use of 12 segments and one segment), etc.
- Need to provide information: Examination of the possibility of providing information in a disaster

## **Effective Use of Energy and Resources**

- Conservation of energy by using LEDs as the backlight for displays
- **•** Examination of the possibility of recycling materials
- Creation of energy using solar power generation and other technologies

## Low-cost Operation

- Creation of a short-term recovery business model through cost reduction (both initial and running costs)
- Centralized management of maintenance and delivery operations, integrated management of servers, systemization of work flow, etc.