INTV

innovative television systems
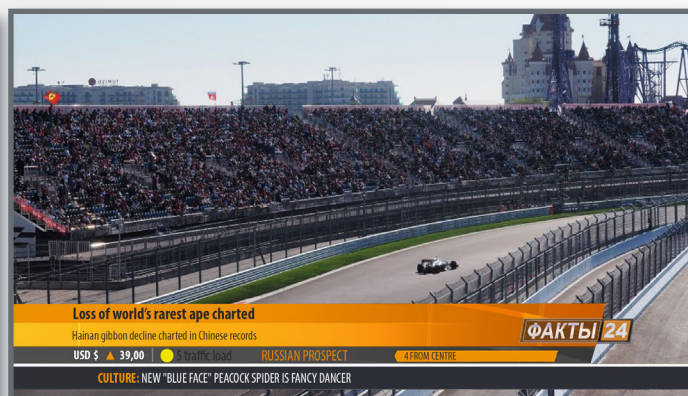
EXPRESS - TITLES

**REAL-TIME TV GRAPHICS FOR NEWS BROADCASTING AND
CHANNEL BRANDING**

CAPABILITIES

Express-Titles - graphics workstation for template creation for graphics and information playback: TV news, «Live», HD/4K Giant screens, weather forecasts and schedule boards, etc.

Automation

Playback of graphics compositions up to schedule of Express-Titles or by connecting to automation system in control room through CII/Oxtel protocol and other. VANC reader option provides automatic control of graphics composition playback on the air on VBI SCTE104 commands.

  Supported systems:
• **PebbleBeach • AVECO • Harris**

  Supported protocols:
• **CII • Oxtel • MOS • VBI SCTE-104**

  NewsRoom interfaces:
• **Dalet • Octopus • iNews**

Information content

Manually added or automatically received data from different sources such as NewsRoom, external databases, on-line web sites, etc. Connection to temperature sensors.

  Data sources:
- **NewsRoom • xml sources**
- **Temperature sensors**

Dictionary and spell checking

A spell checking option verify all used words in a database and in a text objects of template editor and in case of mistake offers new correct word. It uses internal dictionaries and allows to create a user's dictionary witn most usable words.

  Supported types of character encoding:
- **ISO8859-1 • UTF-8 • KOI-8r**

Our clients:

- **«100TV» • «RBK-TV» • «Belteleradiocompany» • «Zvezda» • «NTK»**
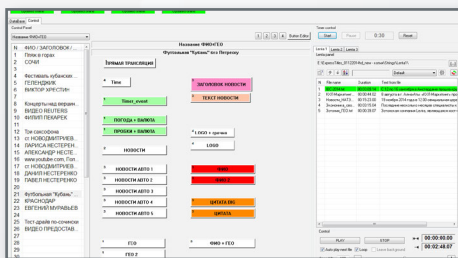- **«Ugra» • «ONT» • «1M.TV» • «Saint-Petersburg»**

«Russian children and youth TV channel «Karusel» expresses gratitude to all INTV personnel for help in organizing hidden subtitling system.»
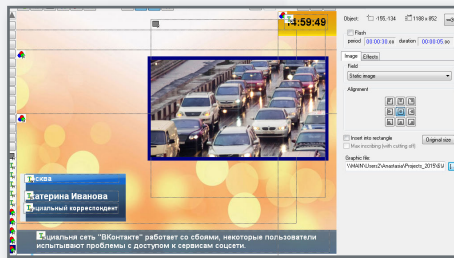*N.A.Dubovoy, General manager.*

Control panel

Simple and reactive GUI to control all graphics templates. Playback of all compositions using mouse button, hot keys from keyboard or by commands from automation systems.
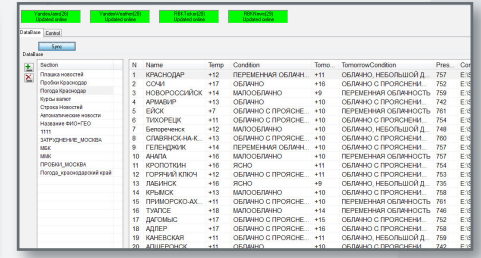Database of News Data sources sections.

Template designer

Preparation and rendering of graphics templates using graphics sequences and internal functions. Quickly correction of templates during the transmission. Comfortable GUI and timeline for effects creation and its trimming.

Database

Creation and editing of internal database on different sections, allows to add necessary amount of rows and columns to table and to format table
information, using text and graphics data.
Database storage in *. xls format.
Multilanguage (unicode support).
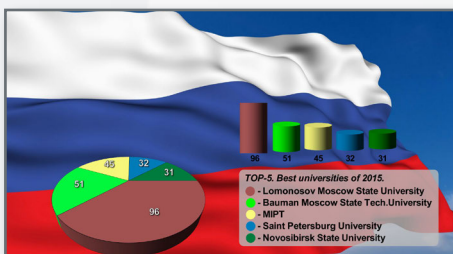

TV bridge

«Picture in picture»

Formation of several scale «live» video windows with video files or external SDI sources. Multi codecs, supports alpha-channel video. Possibilite to add transformation and border effects.
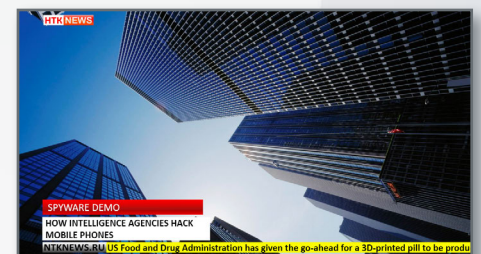
Voting

«Rating» and «Metropole»

Graphical rendering of voting results in pie or chart diagrams. Connection to voting systems by Metropol software and updating data in real time.
2D and 3D diagrams mode with different functions of its transformation.

Information crawls for hard of hearind

Up to three news crawls with data from NewsRoom, on-line sources or static text files.
Text editor with spell checking and text duration adjustment.
Adding of crawl background.
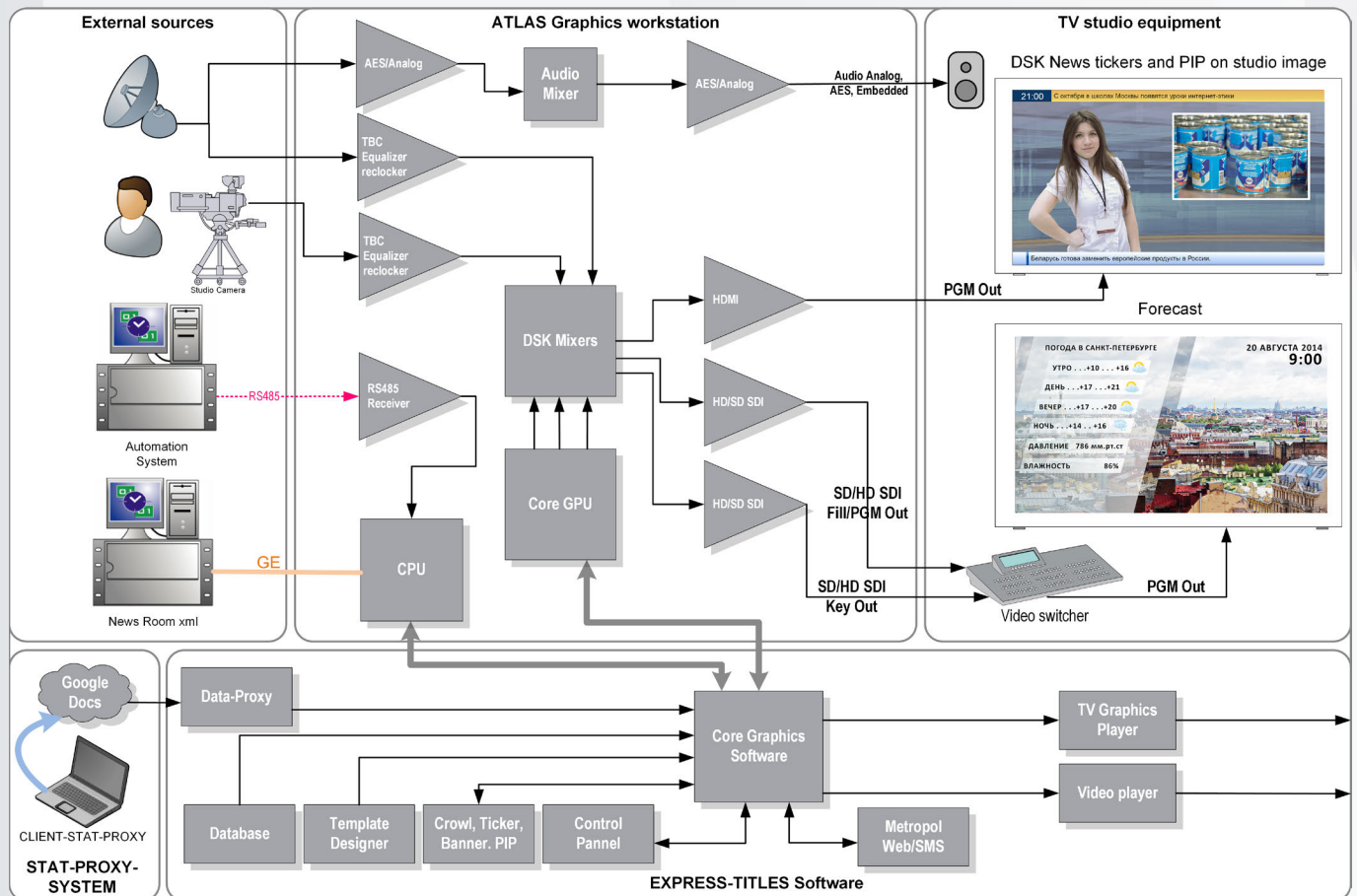Manually on air crawl speed correction

Additional options:

- *Local time and data*
- *Countdown timer up to event*
- *Audio player with synchro-start of graphics templates*
- *Four channel graphics*

TECHNICAL SPECIFICATIONS

System configuration
Windows 7 Pro 64-bit
Intel Core i7
16 Gb RAM
PSU hot swap

Audio
Analog balanced
Digital (embedded, AES)
Stereo input-output
48 kHz, 24 bit

Video interfaces
Composite
Component
SDI
HDMI

Synchronization
Black Burst PAL
Tri-Level

Video card work mode
Fill+Key
«Transit» (with relay bypass)

Supported standards
625/50
720p50
1080i50
1080p25
1080p50/60
4K

Interfaces
GPI/Tally
RS 232/422/485
TCP/IP, LTC

Dimensions
4RU 440 x 176 x 560, 20 kg
2RU 440 x 88 x 710, 25 kg
Laptop, 8 kg

External sources | ATLAS Graphics workstation | TV studio equipment

AES/Analog — Audio Mixer — AES/Analog — Audio Analog, AES, Embedded

TBC Equalizer reclocker

TBC Equalizer reclocker

Studio Camera

RS485 — RS485 Receiver

Automation System

GE — CPU

News Room xml

DSK Mixers — HDMI — PGM Out

Core GPU — HD/SD SDI

HD/SD SDI — SD/HD SDI Fill/PGM Out

SD/HD SDI Key Out

DSK News tickers and PIP on studio image

Forecast

Video switcher — PGM Out

Google Docs

Data-Proxy

CLIENT-STAT-PROXY

STAT-PROXY-SYSTEM

Database | Template Designer | Crowl, Ticker, Banner. PIP | Control Pannel

Core Graphics Software

Metropol Web/SMS

TV Graphics Player

Video player

EXPRESS-TITLES Software

CONTACTS