



Optibase (Industrial SME)

Seeking collaborative projects in the EC 7th Framework Program (FP7)

Organization Details

Optibase is an Israeli (Associated Member State) industrial company (SME). The company was founded in 1990 and is listed on NASDAQ (OBAS) since 1999. Optibase is a pioneer and market leader in advanced, high quality video encoding, decoding and IPTV streaming solutions. Optibase's products enable the creation, broadband streaming and playback of high quality digital video, IP video and IPTV. They are used in applications such as distribution, post production and video contribution for the broadcast and internet industries, high-end surveillance, archiving, e-learning and business enterprise video.

The company holds patents relating to: compression, synchronization, multiplexing, splicing, conversion and transmission of audio visual signals.

Optibase is an active participant in the EC ICT/IST program since FP4, having contributed as partner and as coordinator in a large number of RTD projects, such as: IMOSAN, PORTIVITY, TIRAMISU, ENTHRONE, INSTINCT, REPOSIT, GMF for iTV, MUFFINS, VIDEO GATEWAY, NEXTV, MAMBO.

Optibase is experienced as coordinator in TIRAMISU, MUFFINS, VIDEO GATEWAY.

Technical Summary

- IP Video Networking and IPTV
- Video surveillance, video encoding, processing, adaptation, archiving
- MPEG-2 and MPEG-4 AVC (H.264) real-time Encoding, Transcoding and Streaming
- HDTV and SDTV Media Gateways
- Real-time encoding and streaming
- Ingest solutions for seamless integration into the broadcast workflow, for VOD services, transition to tapeless facilities, video C&D, Internet streaming
- Standards-based video encoding, transcoding, transrating, decoding, multiplexing and streaming for content creation, video-on-demand and video distribution over IP networks.

Proposed contributions for FP7 ICT-SEC Call1 and ICT Call3 technical challenges:

- Intelligent video surveillance networking
- IP-networked video sensors
- IP-based (open internet and/or isolated private networks) systems for: video monitoring, collection, transmission, sharing, cooperative working, etc.
- Network-aware media ingestion, processing, adaptation, distribution and archiving for converged digital libraries
- Personalized content preparation, metadata, multi-format content ingest
- IP-video building blocks and associated research, for Critical Infrastructure (transport, energy, etc.) systems
- IPTV, web-TV, IP Video value-added services of the future
- Video distribution research aspects of future internet (web 4.0 and beyond)

Unique Capabilities

- An industrial R&D partner, with a wide European and worldwide customer base and industry presence, ideally suited for research, development, integration, market-driven requirements acquisition, exploitation and dissemination
- Long successful experience in EU projects, as partner and as coordinator
- Expertise in development and integration of digital video technologies, products and systems for various applications
- Overall system approach with excellent skills of problem analysis and solution design



Partnership

The company is interested in participating in or coordinating a project related to the above listed challenges within the following strategic objectives and challenges:

- Joint Call ICT & Security 1, for example: ICT-SEC-2007-1.0-03: Optimised situational awareness through intelligent surveillance of interconnected transport or energy infrastructures
- ICT Call 3: ICT-2007.4.3: Digital Libraries
- ICT Call 3: ICT-2007.4.4: Intelligent Content and Semantics
- Objective 3.1.1.1: The Network of the Future
- Objective 3.1.1.4: Networked Media
- Objective 3.7.2.1: Accessible and Inclusive ICT

Keywords

Video distribution over IP networks, IP Video, Digital video, video processing, video adaptation, surveillance, region of interest, advanced video encoding, decoding, compression, transcoding, transrating, multiplexing, splicing, video editing, middleware, deduplication, content creation, Digital Libraries, Video Archiving, Ingest, Indexing, Metadata, IPTV, MPEG-2, MPEG-4, MPEG-4 Part 10, H.264, AVC, HD, SD, VOD, video-on-demand.

CONTACT:

Mr. Itsik Arbel, Tel: +972-54-2086333, Email: itsika@optibase.com

Ms. Yael Lapid, Tel: +972-9-9709103, M: +972-54-4563610, Email: yaell@optibase.com