LiveCity: Live Video-to-Video Supporting Interactive City Infrastructure

The aim of LiveCity is to empower the citizens of a city to interact with each other in a more productive, efficient and socially useful way by using high quality Video-to-Video over the internet. Video-to-video can be used to save patients lives, improve city administration, reduce fuel costs, reduce carbon footprint, enhance education and improve city experiences for tourists and cultural consumers. We build a wireline and 4G wireless network of cities and include a right of way without interference from unwanted traffic so that each user in any of the cities can experience live interactive high definition video-to-video. LiveCity is a technology integration trial which offers advanced services to over 3000 users in five European Cities. This unifying approach in five cities underpins a use case framework and technology platform which can be rolled out to other cities and communities on a mass market basis following the life of the project. We propose to pilot a number of video-to-video services in five cities for a diverse range of applications in the areas of Emergency Services, eHealth, Education and City Experiences. The cities involved are Dublin, Luxembourg, Athens, Tubingen and Valladolid. LiveCity will pilot these live high quality video-to-video applications in order to evaluate social utility and demonstrate value to city citizens. Stakeholder evaluation and key performance indicators will be measured, analysed and disseminated. The LiveCity hypothesis is that these indicators can be enhanced with video-to-video. For example in the emergency services use case important indicator are time to delivery of clot busting drugs and patient survival rate. In the diabetes case, indicators include blood glucose level and quality of life measures. Other indicators will be collected and evaluated for the different pilots. We build a business case for the rollout of the services to all the major cities in Europe.

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NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	GREECE
DIMOS VRILISSION	GREECE
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Scoil Naisiunta Cholmcille	IRELAND
REDZINC SERVICES LIMITED	IRELAND
QuartzSpark Limited	IRELAND
Magnet Networks Limited	IRELAND
HEALTH SERVICE EXECUTIVE HSE	IRELAND
UNIVERSITE DU LUXEMBOURG	LUXEMBOURG
ONE SOURCE CONSULTORIA INFORMATICA LDA	PORTUGAL
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