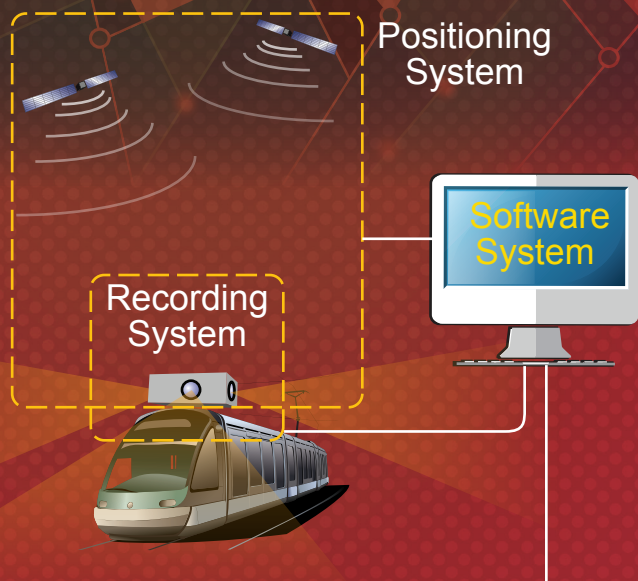


System Configuration

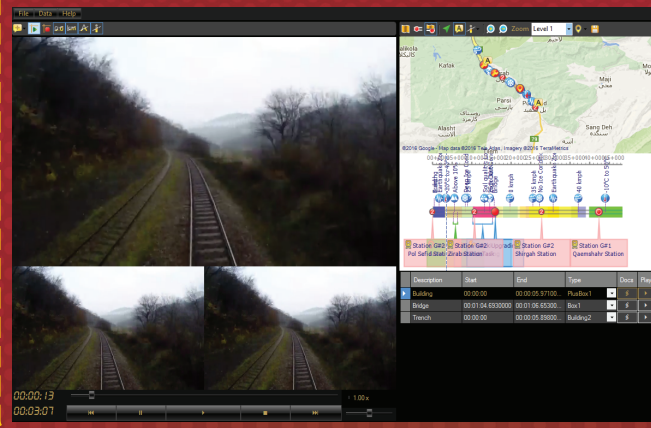


Recording
System

Positioning
System

Software
System

Spatial / Non-Spatial Data Views



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Introducing



Site Visiting Solution

PSRaily Co.

Prologue

PSR-MOV™ solution is a combined hardware/software system to provide various railway or road data visualizations. This system is developed to produce and maintain multiple site data, like media data (video), spatial data and non-spatial data, in order to:

- Gather, process and view video and other spatial/non-spatial precise data synchronously.
- Provide the possibility of data accuisation and process at office.
- Make less site-visiting operations.
- Make decrease in time and environmental pollutions.

PSR-MOV™ Elements

The PSR-MOV™ system is composed from four main units:

• Positioning system:

Online single positioning or real-time kinematic (RTK) GPS satellite receiver system to provide precise spatial data of routes.

• Media recording unit:

Up to 6 wide FHD/HD cameras providing multiple views in several optional directions. High frame-rate (up to 120fps) is supported.

Key Features

- Wireless connectivity.
- Long-range data recordings (based on computer hardware system).
- Up to 360° coverage view angle. (Using multiple super wide-angle cams, 360° view is provided.
- Geo-tagging on movie/map views.
- Object and description tagging on movie and map.
- Meteorological conditions data capture/view (environment temp., wind speed, etc.).
- Special zones view (Earthquake zones, speed limitation zones, tunnels, etc.).

- Plan and longitudinal profile view.
- Additional design document attachments.
- Compatible outputs with AutoCAD, Google earth, etc.
- Dynamic project progress data view.
- Extendable to any vehicle (Railway vehicles, road vehicles, boats, model planes, etc.).
- Slow-motion recording (up to 120 frame per second).
- High quality output (4K, FHD, HD qualities).
- High quality digital zoom (up to 4x).
- High quality photo capture on movies.

• Synchronization software system:

A software system to synchrinize GPS and video data recording which supports long-range video recordings. Also, this system supports image-processing operations to extract additional geometric data.

• Output user interface.

A software system to maintain and visualize gathered multiple data types (media/spatial /non-spatial).

