

ABOUT US

SUNCROPS Ltd is a company specialized in Geographic Information System (GIS) related industry to render services to capture, store, manipulate, analyze, manage, and present all types of geographical and spatio-temporal data incongruence with cartography, statistical analysis, and metadata management and to develop or integrate related Software and Hardware.

SUNCROPS Ltd has potential expertise in custom software development, web design, Internet/Intranet applications and consulting services.

The company has potential and experience in development of complex solutions for its customers - implementation of concepts for data security, corporate and virtual private networks, databases and software development.

We create modern software products for business management, based on Client/Server and internet/Intranet technology solutions in accordance with the leading world standards in the field of IT.

We develop websites consistent with the demands of our clients: with advertisement exposure, aimed at marketing or containing database. We provide planning, professional development and management of web sites plus hosting, promotion, updating and support.

We develop software applications for:

Windows, Linux/Unix, Mac OS, iOS, Windows phone OS, Android OS

We utilize the following development tools:

PHP, XML, JSON, SOAP, REST, Apache, IIS;
C++, C#, .NET Framework, Java, Java applets, Python, Ruby,
Codeigniter, Symfony, Drupal, Wordpress, Joomla, OpenCart, Django,
HTML5, CSS3, JavaScript, jQuery, jQuery UI, AJAX, Google Maps API, Flash
Android, PhoneGap, NetBeans, Eclipse;

Databases:

Oracle, MySQL, MS SQL Server, PostgreSQL, SQLite, InterBase

General Information

Company Name	: SUNCROPS Ltd.
Year of Establishment	: 2010
Type of Business	: Private Limited Company
Trade License	: 15098
Registration(RJSC)	: C-105116, Reg Date : 14-Oct-2012
TIN Number	: 8284 3180 3960/Circle-24(company)
VAT Number	: 8101025917
Registered Address	: F- 251, North Chhayabithi, Joydebpur, Gazipur-1700
Dhaka Office Address	: Level-5, House - 21A, Road-10 Gulshan-1

Work Station : Level-1, Telecom Building
Bangladesh Railway,
Kamalapur, Dhaka.

Total Employees : 21 (Thirty One)

Website Address : www.suncrops.com

Company Email : Information Desk: info@suncrops.com
Sales Desk: info@suncrops.com
Support Desk: support@suncrops.com
Admin: admin@suncrops.com

Company Phone : Information: (+88) 01534134678
Support: (+88) 01749995904, +88029262879
Fax : +88029899431
Hotline : +8801936573675, +8801534134678

Banking Relation : A/C Name : SUNCROPS Ltd
United Commercial Bank Ltd
Account No: 0332102000004967

Southest Bank Ltd
Account No: 0011100000377

SERVICES

When your activity is specific and the standard software solutions cannot fulfill your requirements, you need specially developed software for you . Being our client you will receive exactly the needed software.

We are elaborating on contemporary software products for business management on the bases of the technology "Client / Server" and "Internet / Intranet" solutions conforming to the leading world standards in the field of information technologies.

Our efforts are oriented towards the creation of qualitative solutions which can be used easily and intuitively by experts in different spheres and not only by IT specialists. The technologies, being implemented by us for the development of software secure flexibility and possibilities for future development of the applications.

We develop software solutions in the following areas:

Software Development :

- E-Commerce
- Information systems
- Financial systems
- Warehouse systems
- ERP
- CRM
- HRM
- B2B & B2C
- Mobile applications

WEB based solutions :

- CMS (Content Managment Systems)
- Mobile applications
- Information systems
- Warehouse systems
- E-commerce solutions

WEB Design :**Consulting :**

- develop and integration of GIS Platform for Terrestrial and Marine Navigation, Monitoring and Traffic Management of Fleet, dynamic or static and any such assets.
- manufacturing, integration, assembling, commissioning, operation and management of Remote Sensing and Remote Data Acquisition Hardware and Software.
- manufacture or assemble or import GIS related Hardware, related Components, Equipment, Peripherals and Accessories and also to establish GIS generated Telecom industries and any other industries with foreign collaboration in Bangladesh.
- Software development, Programming, Internet service programming, Data entry, Data export, Database system analysis, Infrastructure development, Utility development with the modern computer base system, GIS mapping, Net working and Web based development.

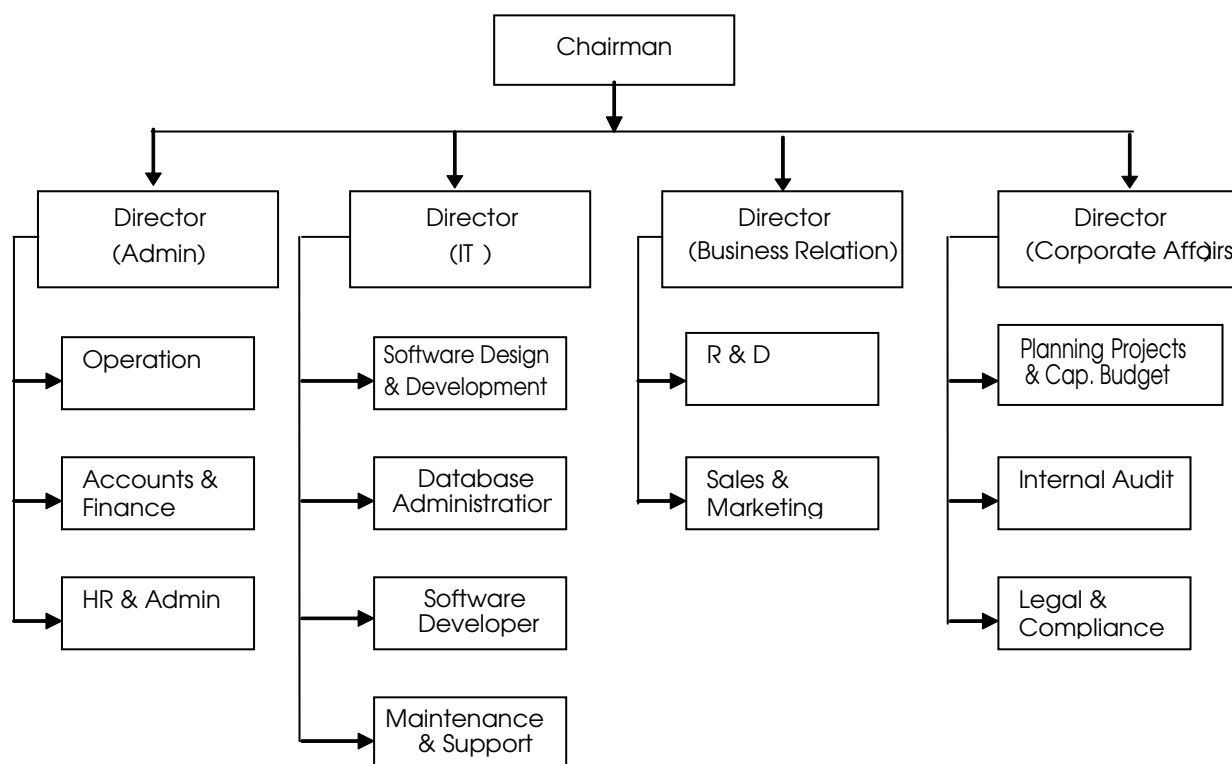
Our Clients

- Bangladesh Railway
- BTRC
- Grameen Phone
- Banglalink
- ROBI
- Airtel
- Teletalk
- RRI

Infrastructure

- Carpet Area : 1250 Square Feet space in three offices.
Adequate storage area with full security.
- Equipment : Server - 02 pcs
Server Rack - 1 pc
Computer - 25 pcs
Laptop - 08 pcs
Display Unit/TV - 06 pcs
GPS Tracker - 150 set
Backup power supply : Generator 1 pc
AC/Printers/Scanner
- Communication : Optical Fiber Link
Wireless Broadband line for high speed communication
Wireless routers.

Organogram



Professional Achievements

Software Development :A. Train Tracking & Monitoring Service :

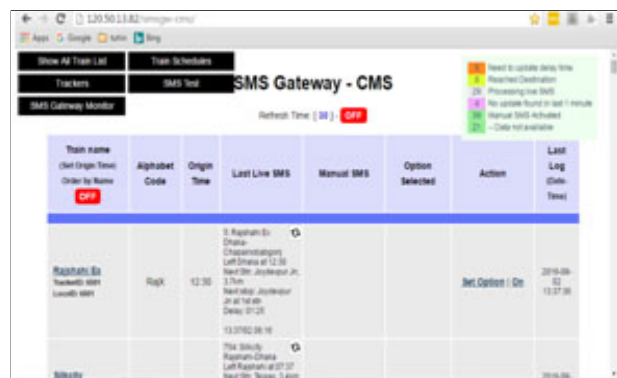
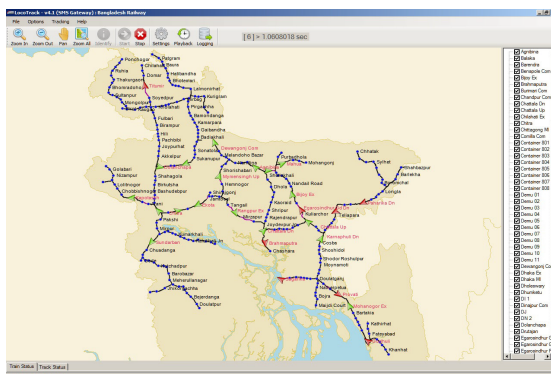
At present the train control offices of Bangladesh Railway have direct telephone communication with maximum railway stations. But there is no telephone communication between the train control offices & the running trains. The station masters can't even trace the moving trains running at the adjacent block sections. In case of any untowered situations like accidents, abnormal late running, engine failing etc in a block sections, BR operating officials & the travelling passengers can't get the updated information of the actual situation. In the context of pressing & growing demand from the general passengers, officials & the operating staff of BR for getting actual & updated information regarding different train running in various sections, BR realizes the need for a centralized digital train tracking & monitoring system based on GPS-GPRS technology along with a mission to make capable its passengers accessing to real time train position related information efficiently. To facilitate above mentioned services, SUNCROPS Ltd developed GPS-GPRS based "Train Tracking & Monitoring service", a comprehensive software named "LOCOTRACK R" for BR commissioned in 2013 with 10 years operation & maintenance contract, providing GPS-GPRS fed precision movement related information of the entire passenger fleet of BR, that aids train traffic management, archive details trip data for post processing, forecast & transmit real time train status to passengers on demand through its SMS gateway. Key software attributes of the system as followings :

GIS Map Engine : Using Winmap GIS

Map server & GIS Map : The application have its own map server developed by SUNCROPS Ltd having its own embedded scalable vector map of ESRI shape file format of datum WGS 84. The GIS map is exclusively cartographed for BR & contains spatial data only related to BR's fleet including tracks, stations, trap points, signal posts & other track related infrastructures.

Platforms: Windows, Linux

Used technologies: PHP, HTML, JavaScript, MySQL



SMS Gateway : SUNCROPS Ltd introduces Train Tracker service, an innovative & convenient value added service for customers. Through this service passengers will be able to know their desired train location, time of train departure, next stoppage & movement schedule of the train through SMS. It's a most desirable service for Train passengers to know about the real time train location & information from their mobile phone simple by SMS. Train passengers do not have to worry about the train current location, train status, departure time, next station, next stoppage, cancellation etc. Train passengers can track their desired train information & location from their mobile phone anytime from anywhere and can plan their trip accordingly. It will reduce uncertain platform waiting time, extra hassle & help them to utilize their valuable time as per their wish. To avail this service mobile user needs to go message option & type TR<space> Train No or Train code & send to 16318.

Suppose, To get the current location of Ekota train, mobile subscriber of any operator in Bangladesh will have to type <Tr Ekota> or <Tr 705> in msg option & needs to send to 16318, he/she will get like below :

705: Ekota
Dhaka-Dinajpur
Left Dhaka at 10:00
Next Stn: Muladuli, 0.6km
Next stop: Ishwardi Bypass at 2nd stn
Delay: 00:36

B. GIS SURVEY MAP:

SUNCROPS Ltd got the work order to conduct GPRS based Survey of New Optical Fibre Network Route of BR along branch line section for making a network map with GIS software and online data entry of all attributes in BTRC,s website. The network route is as bellow :

- Laksam-Chandpur
- Laksam-Chittagong
- Chittagong-Sholoshohor-Nazirhat

d. Sholoshohor-Dohazari
e. Rajbari-Pachuria-Bangha
f. Kalukhali-Bhatiapara

In the optical fiber cable route map, every attribute like distance, hand hole, cable post marker, HDD, OFC to rail track distance, cable loop, bridge, culvert etc is shown clearly as per BTRC's format.

C . GPS fed Speedometer for Locotrack :

Currently Bangladesh Railway have different types of Locomotives most of which is outdated. Traditional Speedometer that is connected with axle shaft does not fit with all types of locomotives, wear & tear damages easily, too costly, difficult to install & maintain, & also don't have any tools for central monitoring like over speeding or whether Locomotive running according to different speed limit set at different locations by BR officials. To overcome above limitations, SUNCROPS Ltd designed GPS fed speedometer & also a console panel solely for BR. Currently this speedometer is installed at 98 Locomotives of BR.



Train Name	Loco ID	Speed	Fuel Level	PCR	Last Update
Sume Up	2301	40	0014	---	2019-08-02 14:55:31
---	2322	5	0009	---	2019-08-02 14:55:57
Babaka	2324	5	0010	---	2019-08-02 14:55:57
Kushara	2401	14	0005	---	2019-08-02 14:55:56
---	2602	5	0002	---	2019-08-02 14:55:56
Jalalabad Up	2605	5	0010	---	2019-08-02 14:55:57
Jamalpur Com	2704	5	0008	---	2019-08-02 14:55:56
---	2705	10	0004	---	2019-08-02 14:55:55
Dewangong Com	2706	8	0002	---	2019-08-02 14:55:55
Kishoreganj Ex	2708	11	0004	---	2019-08-02 14:55:56

Salient Features :

- Position displacement is measured by change in Latitude and Longitude, acquired from GNSS Constellation data
- No physical relation with any rotating objects of Locomotive
- Ease of operation: Just Plug & Play, no hooking up with wheels or any other Loco-parts
- Highly accurate (99.9%) and Millisecond response
- No mechanical components, long durability
- 10 minute replacement time

It's a live communication console:

- Real-time and uninterrupted communication link between control and on-board crews by Voice call and Data communication for commands and instruction
- One touch emergency message transmission

Expandable to :

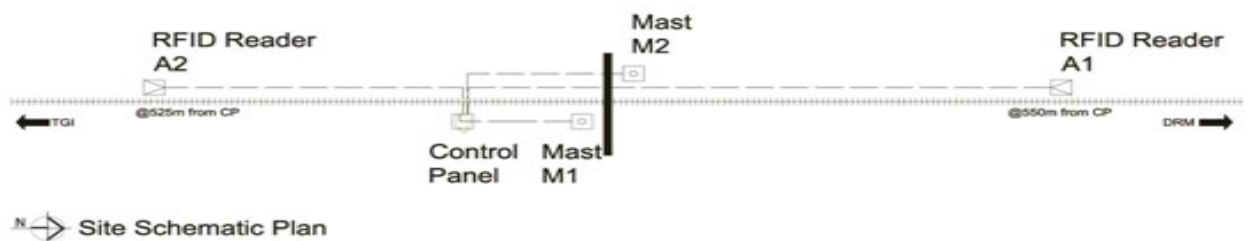
- Detect signal status and stations ahead in foggy weather
- Navigation aids for incoming trains ahead
- Crossing instruction

D. Autonomous Level Crossing Warning System :**Project Introduction:**

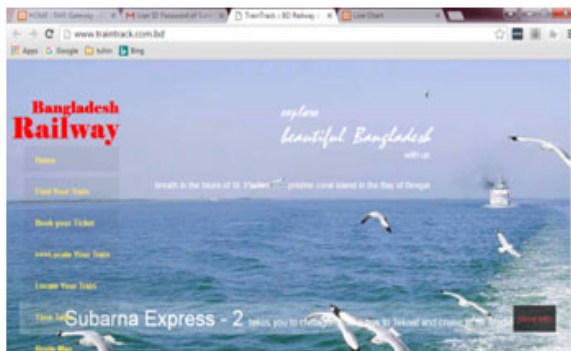
In the recent spate of fatalities related with Railway Level Crossing Gate (LCG), which are occurring mostly in unauthorized and unmanned type, Bangladesh Railway has reached a decision on principle to facilitate those LCGs with autonomous warning system for road traffic consisting both Flasher Light and Alarm Bell, and has appointed SUNCROPS Ltd. to design, manufacture, install and commission one such system consisting digital sensors as a pilot project at Bonomala, Tongi.

System Introduction:

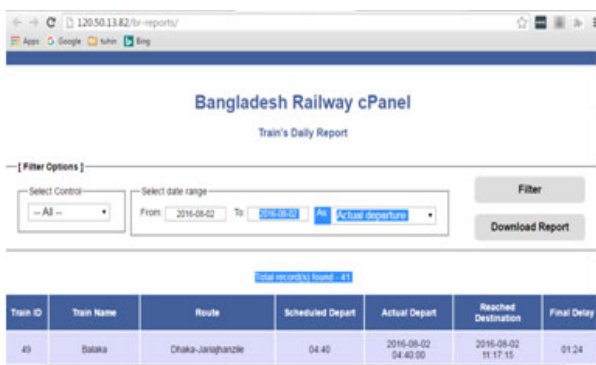
The warning mechanism relies on reading digital identification module tagged on Locomotives, while passing by, its identity is scanned by track side readers (A1/A2) about half a kilometer away on either of the sides of LCG. Once the digital ID is read and authenticated as BR's rolling stock the signal is then relayed to the "Control Panel" which on discretion triggers warning system consisting flashing lights and alarm bells mounted on road side masts (M1/M2)

**Salient Feature:**

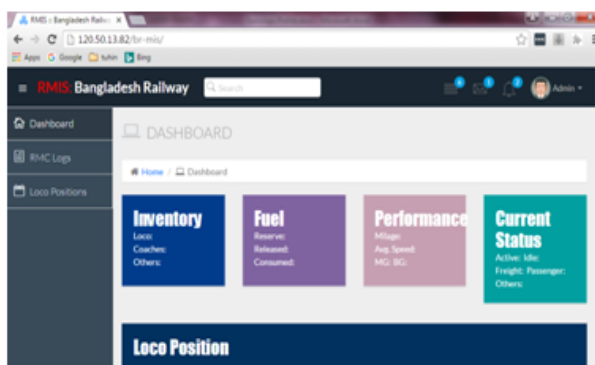
- Its digital, with highest possible accuracy and reliability
- Its track independent hence appropriate for any kind of tracks, whether metal or non-metal rail slipper
- Its temper proof, any identity/data is fully encrypted hence absolutely no chance of false triggering
- ID tags uses power less circuits making life span very long, one million times of scanning guaranteed
- The whole system is central server controlled and monitored 24x7 for functionality and health status as its designed for unmanned/unattended LCGs giving it a unique character
- More economic than conventional track-circuit based system

Web design :**Project: Train Track****User :** Anyone**Status:** online**URL:** <http://www.traintrack.com.bd/>**Technologies:** PHP, HTML, CSS, JavaScript, MySQL

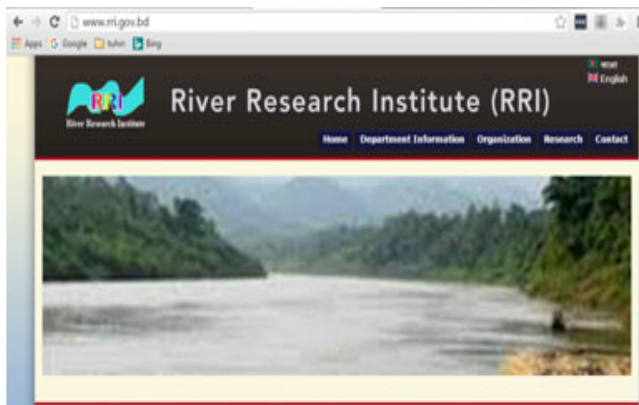
Description: Web site for the commuters of Bangladesh Railway. A comprehensive website where train travelers can get all the information related to Bangladesh Railway from a single platform like Find your train, book your train, locate your train, time table, route map etc.

**Project: BR Report****User :** Management of Bangladesh Railway**Status:** online**URL:** <http://120.50.13.82/br-reports/>**Technologies:** PHP, HTML, CSS, JavaScript, MySQL

Description: Web site for the managers of Bangladesh Railway. A comprehensive website where BR officials can get post mortem report of any Train like scheduled depart time, actual depart time, reached destination time, final delay of every trip.

**Project: BR MIS****User :** Management of Bangladesh Railway**Status:** online**URL:** <http://120.50.13.82/br-mis/>**Technologies:** PHP, HTML, CSS, JavaScript, MySQL

Description: Web site for the managers of Bangladesh Railway. A comprehensive website where BR officials can get inventory report, fuel status, Performance report, Current Loco position.



Project: Website of River Research Institute

User : Anyone

Status: online

URL: <http://www.rrr.gov.bd/>

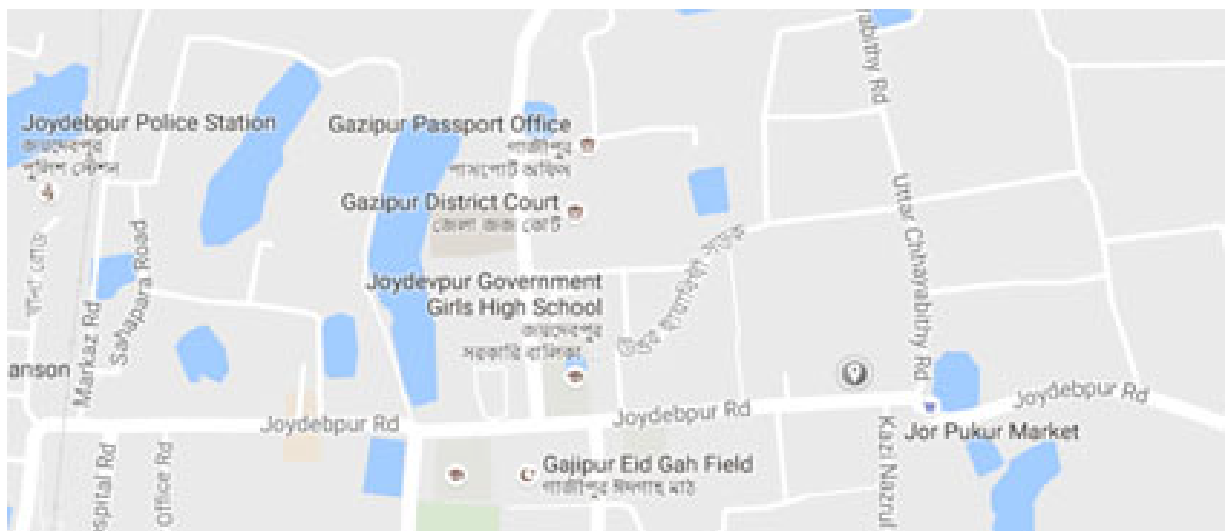
Technologies: PHP, HTML, CSS, JavaScript, MySQL

Description: Containing information about the services, rendered by Bangladesh River Research Institute.

COMPANY LOGO



Contact Us



SUNCROPS Ltd

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Hotline :+8801936573675, 8801534134678