

SCHEME ENGINEER®

Scheme Engineer® is Appia's core software product that, with the SE family of software represents a high-value, low-cost software solution that can deliver tangible financial benefits and efficiencies in the management of highways networks. Scheme Engineer® is rapidly being adopted by many Local Authorities as a principal tool for unlocking the value of the data stored in their PMS and Asset Management systems.

Scheme Engineer® uses relevant data commonly available for most highway networks to prioritise deficient sites in order to maximise the impact of constrained budgets. Scheme Engineer® helps to bring about efficiencies in the time spent by personnel in identifying schemes, in preparing supporting information and in visiting sites to gather and check data. It helps to substantiate decisions as to the location and nature of maintenance works, to paymasters and to management, and provides an auditable record of works and reasons why works have/have not been carried out.

SCHEME ENGINEER®

The core Scheme Engineer® product can be used as a stand-alone Pavement Management System or it can be operated alongside your existing UKPMS system, enhancing the outputs and has a range of functionality that includes:

- Identifying Scheme Locations and Treatment Types
- Scheme costs (budgeting)
- Value Management, Economic Prioritisation & Whole Life Costing
- Condition Projection and Forward Works Programming
- Asset Valuation (GRC and DRC)
- Performance reporting and service levels
- Management of output performance-based contracts including PFI
- Managing Inventory
- RMMS data

Skid Policy Manager assists Highway Authorities in the implementation of a risk-management based skid-resistance policy, and allows the integration and interpretation of map and linearly referenced data held in disparate local systems.

Scheme Engineer also supports asset valuation, including projecting asset value at different scenarios for different levels of investment and treatment regimes.

The software provides for the definition and reporting of service levels, and supports custom solutions based on client or 3rd party models, for example to support investment need assessment and performance models or highways PFI contracts.

The software is extensively configurable, allowing each user's specific survey regimes, treatment regimes, lifecycle plans, service levels and local priority factors to be modelled.

Scheme Engineer® is available either as locally installed desktop or server software, or can be provided as a "software as a service" hosted solution.

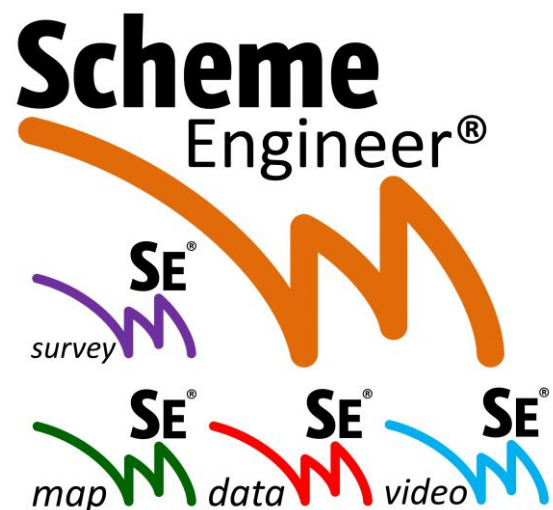
SUPPORTING ASSET MANAGEMENT

Scheme Engineer® supports highways asset management planning in many respects, and allows users to:

- Identifying candidate scheme locations or "hot spots" and then to build these into realistic, costed scheme lengths, using user-configurable treatment selection rules and lifecycle plans
- Project condition of carriageways and footways using various future funding scenarios and carriageway and footway treatment regimes and lifecycle plans, to build forward works programmes
- To prioritise candidate schemes for funding on the basis of condition, minimising whole life cost, as part of a "value management" process which combines engineering and economic factors with authority-specific factors, which can include softer measures such as quality of street scene, level of complaint, customer satisfaction etc.
- Establish their own network condition summary measures for monitoring in their life cycle plans
- Manage their Skid Policy, including risk assessments and responses
- A recent enhancement to Scheme Engineer is the ability not only to current calculate depreciated replacement cost (DRC) for carriageways and footways in accordance with UKPMS and CIPFA guidance but to project future DRC for alternative funding and maintenance regimes

THE SE® FAMILY OF SOFTWARE

In addition to the core Scheme Engineer® product we offer four complementary products that can be operated as stand-alone installations or alternatively, integrated with Scheme Engineer®.



The Scheme Engineer® family of products.

To discuss how can help you, contact one of our team today:

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