



Transforming your data world

sentinelpartners 

Industry-leading data integration and data sharing systems

Microsoft Partner



Transforming organisations' use of data through configurable software solutions that bring information together and enhance understanding.

Sentinel Partners are data integration and data sharing specialists serving a wide range of clients.

We provide software solutions that can quickly and reliably bring information and understanding together from the various sources of data held by an organisation and any of its partners.

Key features of our systems include:

- ▶ Unparalleled matching of data from any source in any format
- ▶ Access to the most complete and trusted Single View
- ▶ Matching any individual to any groups
- ▶ Data profiling to identify target cohorts
- ▶ Real-time data and automated alerts
- ▶ Full audit trails and comprehensive security

Sentinel's systems work with any type of data but we specialise in the hardest data type of all, which are the records that identify people. We do this even with data that is fragmented and of variable quality. We do this in robust and compliant ways.

Our technology

Sentinel's solutions are based around our unique Data Hub software. Developed using JAVA technology, the Hub can be deployed on any IT landscape (server or cloud-based).

We are a Microsoft Data Partner and our software can sit on Microsoft's Azure platform, utilising all the functionality Azure provides, such as AI and cognitive services.

Our data solutions are rules-based and easy for clients to configure and apply in order to process any different data combinations and requirements.

Alongside the Data Hub, our Business Portal application provides users with a customised access of the Single View data and groups they need to work with – for example properties, customers and citizens.

If you have problems in making your data work for your organisation, then please talk to us. We can help in more ways than you realise. We can transform your data world.



Solutions for Local Authorities

A Single View of data driving joined-up, forward-looking service delivery

Sentinel's systems provide an enhanced understanding of people served by local authorities, including their families and the groups they belong to.

Tackling the common problems faced by local authority teams and their partner agencies, our systems overcome the issues of fragmented, inaccurate data which requires time-consuming manual processing and offers no audit history.

Benefits include enhanced visibility, increased control and greater accuracy.

Key areas of application include programmes to support and safeguard families and children.

These include:

- ▶ **Single View of Child/Citizen**
- ▶ **Automatic Profiling and Predictive Analytics**
- ▶ **Collaborative early-help support for families**
- ▶ **Multi-Agency Safeguarding Hubs (MASH)**
- ▶ **NEETS and post-16 tracking**
- ▶ **Early Years funding and tracking child development**



Artificial Intelligence (AI)

Unleashing the real power of AI and optimising its benefits requires large volumes of accurate and reliable data, especially where the base data can be integrated into a single, holistic, chronologically-sequenced view.

Incomplete, fragmented data, which is siloed and restricted in its scope and its depth of history, will lead to limited outcomes.

The Sentinel Data Hub provides the perfect AI platform. All data is pre-validated, cleansed and integrated to show a fully joined-up view of all that is known and all that has gone before. This leads to more accurate and more reliable AI modelling and predictions of future patterns and trends.



Solutions for Housing Organisations

Transforming operations through an up-to-date Single View of properties and customers

By integrating data and then being able to feed accurate information back into front-line systems, the Hub's advanced technology bridges data gaps to drive improved customer service and asset management.

Working in tandem with existing housing management systems, the Hub also issues automatic alerts to guide proactive management and minimise risk.

Key benefits include:

- ▶ A better understanding of customers
- ▶ Improved data quality and more informed decision making
- ▶ Holistic management of property purchases, new-builds, maintenance and sales
- ▶ Easier data sharing across teams and partners
- ▶ Supporting mergers



Anti-fraud

The sophisticated matching capability of our Data Hub, can help any organisation to combat benefit fraud and identity fraud across its customer base and online services.

Sentinel's technology works by automatically highlighting data patterns and anomalies, and by providing real-time identity checks for online application forms. The types of fraud that can be identified include ID theft, eligibility fraud and social housing tenancy fraud.



Master Data Management (MDM)

Sentinel's unique and innovative technology enables organisations to go far beyond traditional Master Data Management strategies to manage, integrate and share data internally and with all of their business partners.

Our software supports all main MDM implementation styles: Registry, Consolidation, Coexistence, Transaction/Centralised, and any practical combinations of these to suit your needs.

Many of our clients started with simple MDM aspirations but have all gone on to use our solutions in ways they never thought possible - delivering true data-driven innovation and collaborative partnerships to business processes.



Multi-agency Solutions

Where multiple agencies such as local authorities, police forces and NHS bodies work together, Sentinel's systems enable data to be shared selectively and securely.

Using its Data Hub and Portal technology, Sentinel creates a data warehouse which integrates disparate data to provide an accurate Single View of individuals and also the families/groups they belong to.

Various, tailored portal views are single points of access for each agency, helping them to work together and collaborate on service delivery - for example: NHS and social services, by helping them to identify and allocate support where it's needed most for patients as they leave health care or enter into Step Down units.

As with all Sentinel's systems, there's no limit on the number of agencies being linked or the scope of the data being shared. Precise controls ensure users only see the data they need to access or merely receive non-specific, high-level messages about another partner's involvement.

The solution is particularly effective in enabling agencies to identify and address wide-ranging issues and complex dependencies that affect the well-being and health of individuals and families.

Areas of application include:

- ▶ e-Patient Integrated Care Record
- ▶ The management of collaborative care
- ▶ Multi-Agency Safeguarding Hubs – MASH
- ▶ Child Protection Information Sharing
- ▶ Integrated reporting and managing NEETS



Data Security, Governance and Compliance

Security of personal data is of paramount importance within all of Sentinel's solutions. Built using a 'data protection by design' approach, our innovative systems safeguard individuals' data while enabling organisations to share data in a controlled and compliant manner.



A suite of features driven by our highly-secure HTML5 technology enables web-based access by field-based teams and controlled sharing with external partners.

Supporting our clients' compliance and obligations to the Data Protection Act, GDPR and Digital Economy Act, all our solutions provide the following features:

- ▶ Strict control and monitoring of data quality and completeness
- ▶ Sophisticated and transparent data-matching functionality
- ▶ Highly-secure and configurable system access based on user roles
- ▶ Person-specific access controls based on their vulnerability status such as shielded-record flags
- ▶ Full audit trail of data-processing decisions and user activities



Discover the power of your data

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