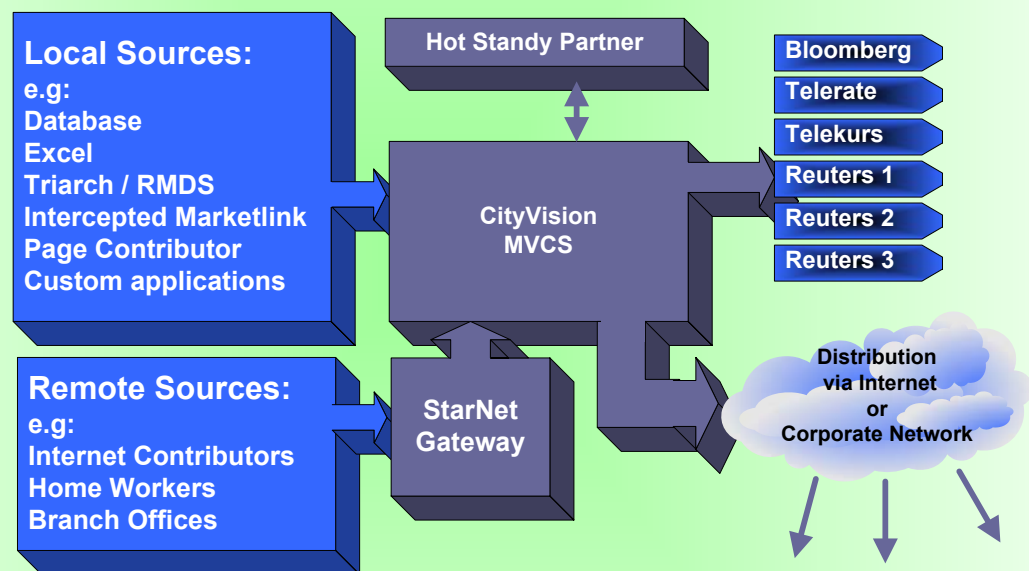


# CityVision MVCS

## Multiple Vendor Contribution System

MVCS makes simultaneous publishing to many destinations simple.

- Send to many outputs from a single input in real-time.
- Automated contribution from spreadsheets, databases, market data platforms.
- Increase accuracy, control and timeliness of contributions.
- Fast, efficient and reliable, dual site operation and automatic fail-over.
- Chains, page building, record mapping and symbology translation.
- Independent handling of all protocols to all destinations.
- Full load-balancing over multiple output channels.
- Comprehensive authentication and entitlements for contribution and distribution.
- Windows based GUIs for manual contribution, control and operational visibility.



CityVision MVCS enables you to **contribute data to multiple destinations**, including data vendors such as Reuters, Bloomberg, Telekurs, Telerate or any other destination.

Information is sent simultaneously but independently for each destination, from a single input if required. This can save on data entry time, administration and **eliminate the possibility of transcription discrepancies** often caused by multiple data entry into different systems.

MVCS can receive data for output from **many sources** so it can be integrated easily with or replace your existing systems. **Maximise automation** and minimise manual intervention, allowing redeployment of staff whilst improving the quality of your distributed data.

All destinations are handled independently in the required protocol, e.g. Marketlink for Reuters, R4/ESIP for Telerate, MPF for Bloomberg, so a problem or backlog on one channel will not degrade the performance of others.

MVCS handles pages and record based (logical) data. Crucially, it understands different formats and how to **translate and rename** between formats. It can **build complex page sequences from chains**, updating them automatically and rebuilding when the underlying data changes - for example when options 'roll-over'.

MVCS supports multiple servers with many outputs to each destination, supporting increased capacity, load balancing, added resilience, alternative routing and data prioritisation. Hot-standby and load balancing between remotely located servers, coupled with on-line configuration means that, unlike other systems you can truly expect **non-stop operation**.

Naturally, MVCS interoperates seamlessly with other CityVision components including StarNet. Thus you can integrate WANs, LANs and the Internet to form a **global contributions and distribution infrastructure**, with full control over user access and the data that users can input to and receive from the system.

# Multiple Vendor Contribution System

## Overview of Features and Benefits

Feature	Benefit
<b>For the user and operator</b>	
Page building, record mapping, symbology translation and routing	Data sent with correct identifiers and field names for each destination.
Page Templates, with different layouts for each format.	Build many pages from the same source records, with optimised presentation for each Vendor format.
Build page sets from record chains	Fast page set up with dynamic re-mapping when the chain changes
User friendly GUIs with comprehensive on-line help for control and operational visibility.	Advanced features with small learning curve and low training requirements.
Send straight from Excel	Increased efficiency from use of familiar user interfaces
Simple applications for manual contribution	Augment or replace troublesome Vendor applications
Manual data entered once only.	Save time, reduce errors.
<b>Technical</b>	
Support for pages, records and chains, with automatic real-time translation between formats.	Provide data of the type preferred by your end-users, regardless of the original source.
Many vendor protocols, e.g Bloomberg MPF, Reuter Marketlink, Telerate R4/ESIP, Teletext	Send in the preferred protocol for your chosen destination, to optimise presentation for each service.
Page sizes, formats, Vendor protocols, outputs and inputs all 'soft' configured.	Easily change data sources, add lines, change Vendor protocols etc.
Drive many outputs from a single input.	Full automation. Increase accuracy, control and timeliness of contributions
Integrate with databases, market data platforms.	Fan-out existing single-destination contributions to multiple vendors.
Transparent intercept of contributions from other systems e.g. Marketlink from systems such as Triarch MLCS	No knock-on effects of problems with any destination
Independent handling of all protocols to all destinations.	Increase output bandwidth.
Multiple output channels to each destination	Send only changed data for maximum efficiency
Optimisation of data to each destination	Ensure all available bandwidth is used
Full load-balancing over all available channels.	Easy integration with existing systems
API for 3rd party interfacing	
<b>Support and Administration</b>	
Fast, efficient and reliable.	Minimal delays and system down-time
Full status reporting.	Know what's going on.
On-line configuration	Instant configuration changes. No need for system restart.
Built-in resilience and redundancy with automatic fail-over to hot-standby server	No single point of failure. 24*7 operation. System continues whilst equipment is serviced or fixed.
Locate servers in different buildings with load balancing between servers	Supports live interaction with back-up site, saving costs, reducing risks and speeding recovery in disaster scenario.
Full 'off-the-shelf' product.	Simple installation, rapid deployment, low risk.

CityVision StarNet

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