

» Introduction

The growth in mobile computing has increased considerably and this trend is set to continue. The challenge now for any organisation is to take advantage of the opportunity. As mobile devices become more powerful, more sophisticated and more acceptable, in both business and every day life, they present any organisation with new ways of interacting with employees, suppliers, clients, new business and the general public.

At Systema Solutions we understand the potential of this growth and recognise that even when your core application is developed using browser technology, interfacing to mobile devices can create many technical difficulties. This is why we developed **M-Net** - a powerful middleware product that provides a protective layer between your core systems and the mobile networks.



» M-Net Browser

If you want to enable users to access your applications from a mobile device, there can be many potential problems associated with supporting the huge array of mobile phone types and their numerous browsers.

M-Net presents a neutral platform from which you can interact with multiple types of mobile browser.

M-Net Browser can be used in a number of ways, for example:

- Timesheet entry
- Timesheet review and approval
- Contract staff renewals
- Order renewal
- Travel requisition and authorisation
- Mobile payment gateway

M-Net Browser identifies the user from their username and selects the most relevant interface for them. For example, if they were inputting timesheet data we would present the specific timesheet format for their contract.

» M-Net Messaging

Texting is a powerful tool. In combination with a mobile service provider, M-Net enables organisations to harness the power of the text message while also protecting your core application from the irregularities of the cellular networks.



M-Net Messaging has the capability to be used in any number of ways. For example:

- Timesheet entry
- Timesheet approval
- Interview reminders
- Interview confirmations

In all these cases M-Net also manages conditional SMS responses via our “Textplate” functionality, designed to ensure responses by users are valid and complete.

» Benefits

Above are just some examples of how M-Net could help your organisation increase productivity through streamlining operations and reducing manpower. The key benefits are:

- Automation – the process of sending texts and receiving responses is fully automated.
- Quality – M-Net will check the quality of the outbound data and ensure mandatory items are present. It will then ensure that responses are valid and request resends if required.
- Management – M-Net provides an administration suite that enables you to schedule activities, add additional data, compose message templates and add and amend time limits.
- Control – M-Net allows you to fully control your processes. It can monitor responses and also the lack of them. M-Net will inform you of good responses immediately and also inform you of delivery failures due to incorrect or invalid numbers. M-Net maintains delivery reports for you to review and will advise you of non-responses within a time limit specified by you.
- Cost Effective – texting is so much cheaper than post, allowing you to get your message to a larger audience at a fraction of the cost of a postal campaign.
- Multimedia Messaging Service (MMS) – M-Net also supports MMS for a media rich enhanced service, which could include web links.

» Technical Information

M-Net comprises a number of predefined modules that perform specific tasks (examples have been given above). Part of the application is the M-Net database, which is used to store essential transaction and administration data, enabling M-Net to perform simple checks, such as log-ins and data validation, before accessing the core application. The comprehensive system administration module includes the ability to create your own, or modify existing templates, customise your settings and produce reports.

M-Net is provided as a web based service, making it easy to install and use, and very cost effective. The level of integration with your existing core applications is determined by the services you require.

The M-Net application is written using Microsoft .Net technology and utilises a Microsoft SQL 2008 database. M-Net interfaces with core applications using a series of open API (Application Programming Interface) and file exchange such as XML.

Please see the overview diagram on the next page for information of how the system is structured.

» To discuss how M-Net can help your business, please contact us at

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M-Net from Systema Solutions Ltd.

