

## **Executive Summary**

### **The whole story in few pages...**

**Roshtov Software Industries Ltd.** is providing information management solutions to all major Health Insurers in Israel. After a series of successful projects and more than 15,000 physicians working on a paperless environment on a day to day basis, our system provides healthcare organisations with the tools and know-how for managing information and controlling the medical production floor for better decision making.

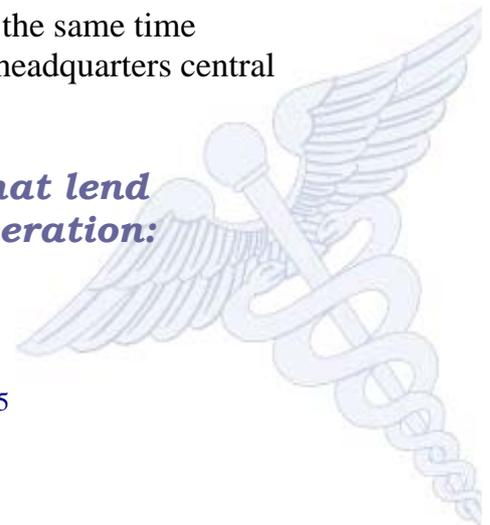
We are not only a vendor to our clients, but also a partner committed to work with them in order to make their facility the most efficient and productive it can be. It is our vision to market clinical information management systems that are **CLINICAL SOLUTIONS**.

The **Clicks**<sup>®</sup> solution suite is a fully integrated computerised patient record system that creates new capabilities of data analysis for management purposes, statistics and public health control. The organisation is actually managing its medical production floor; the system allows clinicians to document clinical and administrative information in a way that can be used as a management tool for increasing productivity, improving quality of care, and reducing the overall costs of healthcare organisations.

Influencing cost incurring processes is only possible through real time intervention during the patient physician encounter, while decision-making process takes place. In short, **WHEN IT MATTERS**.

The **Clicks**<sup>®</sup> Solution suite is a Microsoft Windows based software that combines an Electronic Medical Record (EMR) with an integrated management system designed to handle an enterprise wide-area network. The system's underlying principle is the **ONLINE, INTERACTIVE MANAGEMENT** of clinical information in a comprehensive, patient charting oriented medical file, while at the same time maintaining the administrative procedures and connectivity to headquarters central computer system.

***Clicks***<sup>®</sup> *Features allow major cost savings that lend themselves to all areas of organisational operation:*



### ***Membership and Enrolment***

Online verification of membership and eligibility enables flexibility over implementation of different benefit plans, and membership status.

### ***Financial Administration***

Implementation of cost control policies of the organisation, including: controlling medication and treatment options by guiding to preferred alternatives by the Health Organisation (HO), and Pre Authorisation for costly procedures or expensive chronic medication.

### ***Administrative Control***

Administrative guidelines programmed automatically into the medical workflow, allows intervention at any point and level of operation. For example, patients entry points or routes between different physicians, administrative guidelines as to treatment, medication or pharmacies preferred by the HO. Overall control over administration of services is achieved; for example, control of rights to treatments and medical procedures within a time range.

### ***Clinical Pathway Administration***

The **Clicks**<sup>®</sup> system features clinical decision support tools incorporated into the day-to-day workflow, that influence the quality of service through all the continuum of care. Clinical pathway development and monitoring is possible through online following of standard medical procedures, cross checking interactions of drugs, allergies, or treatments, and analysis of productivity reports such as physicians profiling, interactions between treatments and drugs against diagnosis or treatment plans etc.

### ***Preventive Medicine Analysis (PMA)***

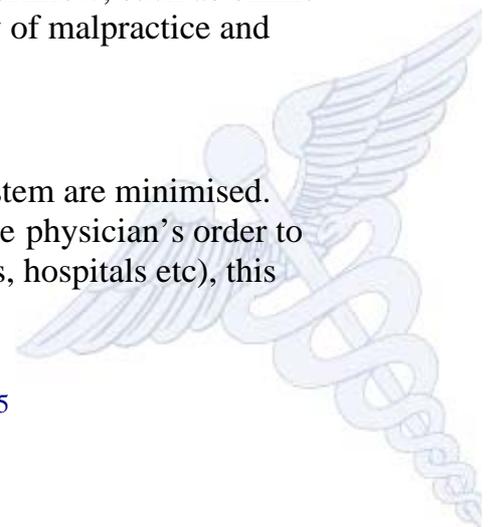
Implementation of preventive medicine measures improves overall population health, and early diagnosis contributes to big savings in HO resources.

### ***Risk Management***

Including protocols of health risk groups within the medical workflow, such as online alerts on drug and allergy interactions, eliminate the possibility of malpractice and lawsuits.

### ***Fraud Control***

Loopholes and leakage of HO resources or fraud within the system are minimised. That means closing gaps in service circles; from the point of the physician's order to the point of service received by the patient (pharmacies, X-rays, hospitals etc), this way maximum control over expenses can be achieved.



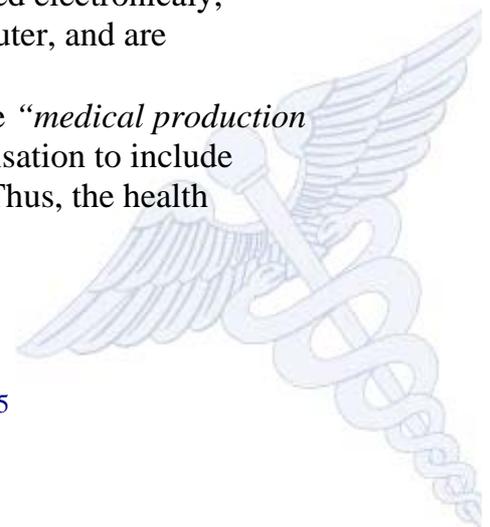
## ***How it all works***

The basic architecture of a **Clicks**<sup>®</sup> based solution is a local area network and connectivity to a central computer system via different online or batch communication. The main components of this constellation are the physician's workstation, the healthcare organisation's central computer system, peripheral services such as laboratory and imaging facilities, and the communication channels between them. **Clicks**<sup>®</sup> software is installed at the physician's workstation to document the entire patient/physician encounter in a fully computerised, paperless electronic medical record (EMR).

Standard diagnosis and medication tables are built into the system and are available within the flow of medical documentation. Drug allergies and cross checking of medications versus diagnosis can be built in, and serve as a cost saving, quality enhancing and preventive medicine implementation to health care. All medical forms are embedded into the application; prescriptions, referrals, lab and imaging orders etc, issued by the physician during the session.

While the detailed EMR is kept locally at the physician's workstation or the clinic LAN, relevant information is passed on bi-directionally via communication between the local installation and the healthcare organisation's main computer system:

- Physician logon/logoff.
- Patient eligibility is verified online when opening the patient's file or at predefined intervals set by the organisation.
- Medical encounter essentials such as diagnosis, medications, lab orders, referrals are encapsulated and transferred to the central computer system, and integrated into a Medical Data Core database (MDC).
- The MDC is continuously updated through the activity of all physicians, and is accessible through standard browsers to authorised parties.
- The MDC information is available to the health organisation for analysis purposes, over a period of time, across a patient database, and physicians activity, thus it may prove to be a major factor in company decision making processes.
- Lab and imaging results or specialists replies are obtained electronically, directly from participating facilities or via central computer, and are automatically distributed into the patient files.
- The constant open communication channels between the "*medical production floor*" and the main computer system enables the organisation to include medical and administrative guidelines into the system. Thus, the health organisation can influence the medical process



right when and where it takes place: by informing of new standards and regulations, by incorporating new preventive medicine guidelines, or by directing physicians to effective substitutes to treatment such as generic drugs etc.

- Last but not least, **Clicks**<sup>®</sup> systems can come with a variety of built-in medical and administrative reports based on the entire database of patient records. While purely medical reports (i.e. hypertension patients due for their next check-up etc.) can serve the physician at daily work, other reports are of value to management. For example, a report of number of hospitalisation days versus diagnosis and medications.

