

# ***Aquave Group LLC***

## **SmartCards in Healthcare**

Improving the Quality of Patient Care and Medical Research

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- **Medical Errors & Liability**
- **Data Consistency & Accuracy**
- **Physician Access & Mobility**
- **Inefficient Administrative Processes**
- **Patients Acting as Consumers**
- **Rising Fraud & Abuse**
- **Provider Revenue Cycle**
- **Looming HIPAA Regulations**



### Key Benefits

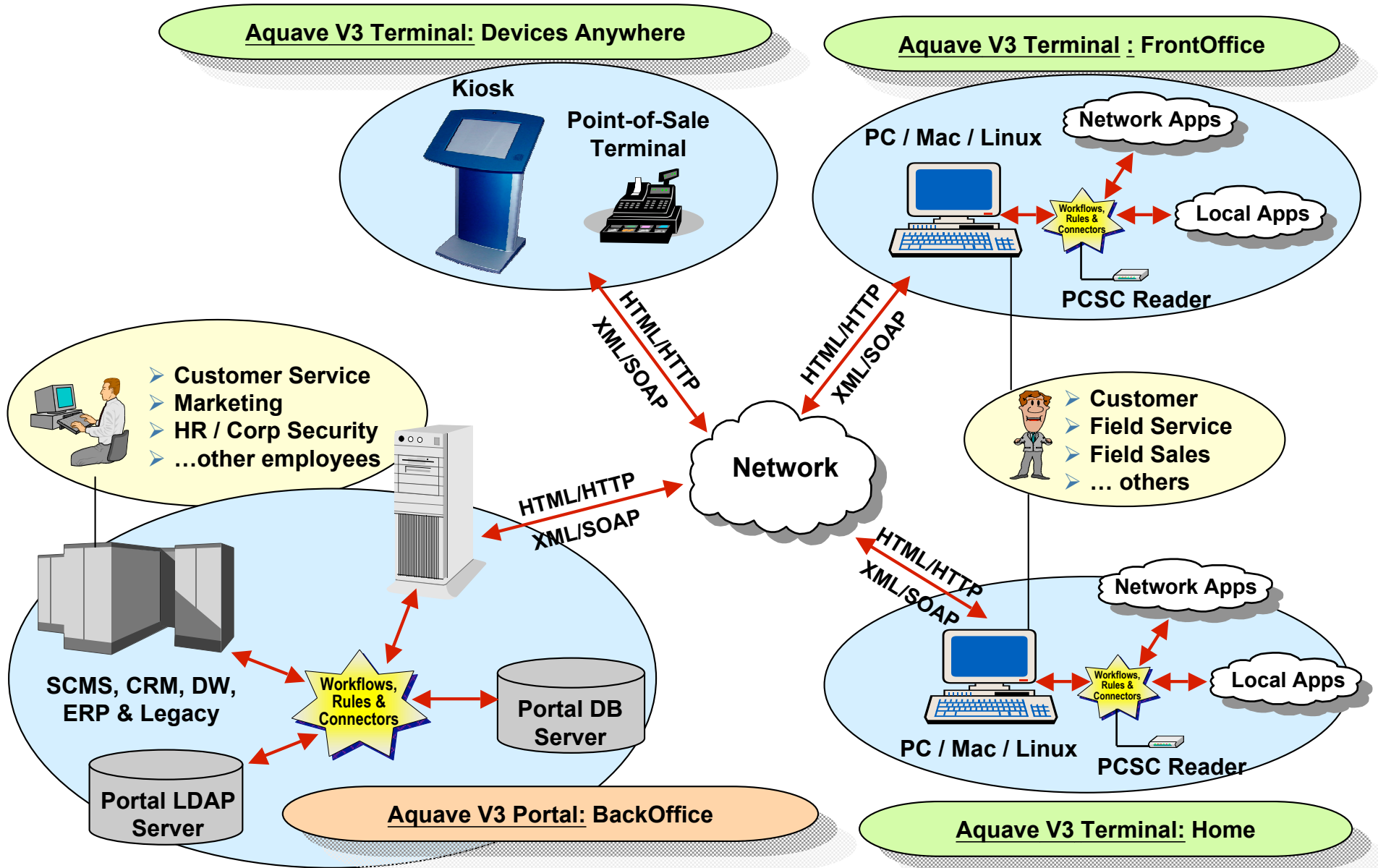
- **Data Portability & Security**
- **Physician & Patient Mobility**
- **Replacement of Paper & Phone**
- **Prevention of Medical Errors**
- **Patient Satisfaction & Loyalty**

### Key Features

- **Identification Card**
  - Design Choices
  - Effective Branding
- **Secure Data Storage**
  - Programmable Chip
  - Read & Write Memory
  - PIN Based Protection
- **Links into Existing Systems**
  - Physician Office
  - ADT / Scheduling
  - Hospital Departments
    - Surgery
    - Lab / diagnostics
    - Pharmacy
  - Web Portal

<b><i>"Legacy" Smart Card Solutions</i></b>	<b><i>Aquave V3 System</i></b>
<b>Card &amp; reader vendor dependence</b>	<b>Built on interoperable standards</b>
<b>Custom, one-off projects</b>	<b>Fully configurable system</b>
<b>Hard to manage and evolve</b>	<b>Engineered to adapt</b>
<b>Points solutions</b>	<b>True multi-application card</b>
<b>Technology mixed with business logic</b>	<b>Clear separation of layers</b>
<b>Integration is an afterthought</b>	<b>System is built for easy integration</b>
<b>Lack of industry application depth</b>	<b>Focus on specific industry solutions</b>
<b>Smart card technology centric</b>	<b>Business process centric</b>
<b>Sink-or-swim toolkits</b>	<b>High level API / SDK for OEM Partners</b>

<b>Module</b>	<b>Description</b>
<b><u>Patient Profile</u></b>	Captures basic patient demographic data, as well as the detailed information on physicians, benefit plans, sponsors/employers and emergency contacts. Linked to eligibility verification and payment.
<b><u>Medical History</u></b>	Contains a snapshot of the patient's key clinical information. Summarizes the most important highlights from the full medical record, needed to support informed clinical decisions at the point-of-care.
<b><u>Care Scheduling</u></b>	Stores and maintains the information, related to patient scheduling and registration for all care activities, including out-patient physician visits, in-patient stays and departmental procedures.
<b><u>Care Order Entry</u></b>	Enables physicians and nurses to enter, store and retrieve detailed information about the specific procedures and medications. Acts as electronic ticket with treatment directions at the point-of-care.
<b><u>Disease Management</u></b>	Ties together detailed information about patient's chronic diseases, including condition description, relevant records, long-term treatments plans, as well as short-term scheduling and care orders.



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