The Company

Advanced Safety Applications & Procedures (aSap) is a British company that has developed its own permit control and monitoring system PCMS.

aSap provides Electronic-Permit-to-Work Systems which are in compliance with the Health and Safety requirements. These can be used in the following areas:

- **The Pharmaceutical Industry**
- **Bulk Chemical Plants**
- **The Food Industry**
- **The Petrochemical Industry**

In fact, in any area where the health and Safety requirements of staff and Safety of equipment are viewed with the utmost priority. We perform Safety assessments and audits to ensure:

A systematic and independent examination to determine whether Safety activities and related results comply with the planned arrangements and whether these arrangements are implemented effectively and are suitable to achieve the desired objectives.

aSap, founded and led by a highly experienced team of professional Safety practitioners and IT professionals, has established a reputation for innovation, quality & excellence in the field of **Electronic Safe System of Work.**

From our UK headquarters in the City of London, aSap is represented overseas by established local agents with extensive support capabilities.

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aSap Advanced Safety Applications & Procedures Ltd.

ELECTRONIC PERMIT-TO-WORK SYSTEM

Health and Safety at Work etc Act 1974 section II:

"It is the duty of employer to ensure the health & safety of all their employees so far as reasonably practicable".

- **Secure Repository of Permits**
- **Remote access and Monitoring**
- **Identification of Conflicts**
- **Automatic Notifications**
- **Increased efficiency and reduced time**
- **Web Based**
- **Internationalisation**

Safety First

PCMS PERMIT CONTROL & MONITORING SYSTEM

PCMS is a software application developed using Java™ technology. It enables effective management of permits for hazardous work environments. As the Java™ technology is platform-independent, the software can be installed and run on any system that supports the Java Virtual Machine™ (JVM).
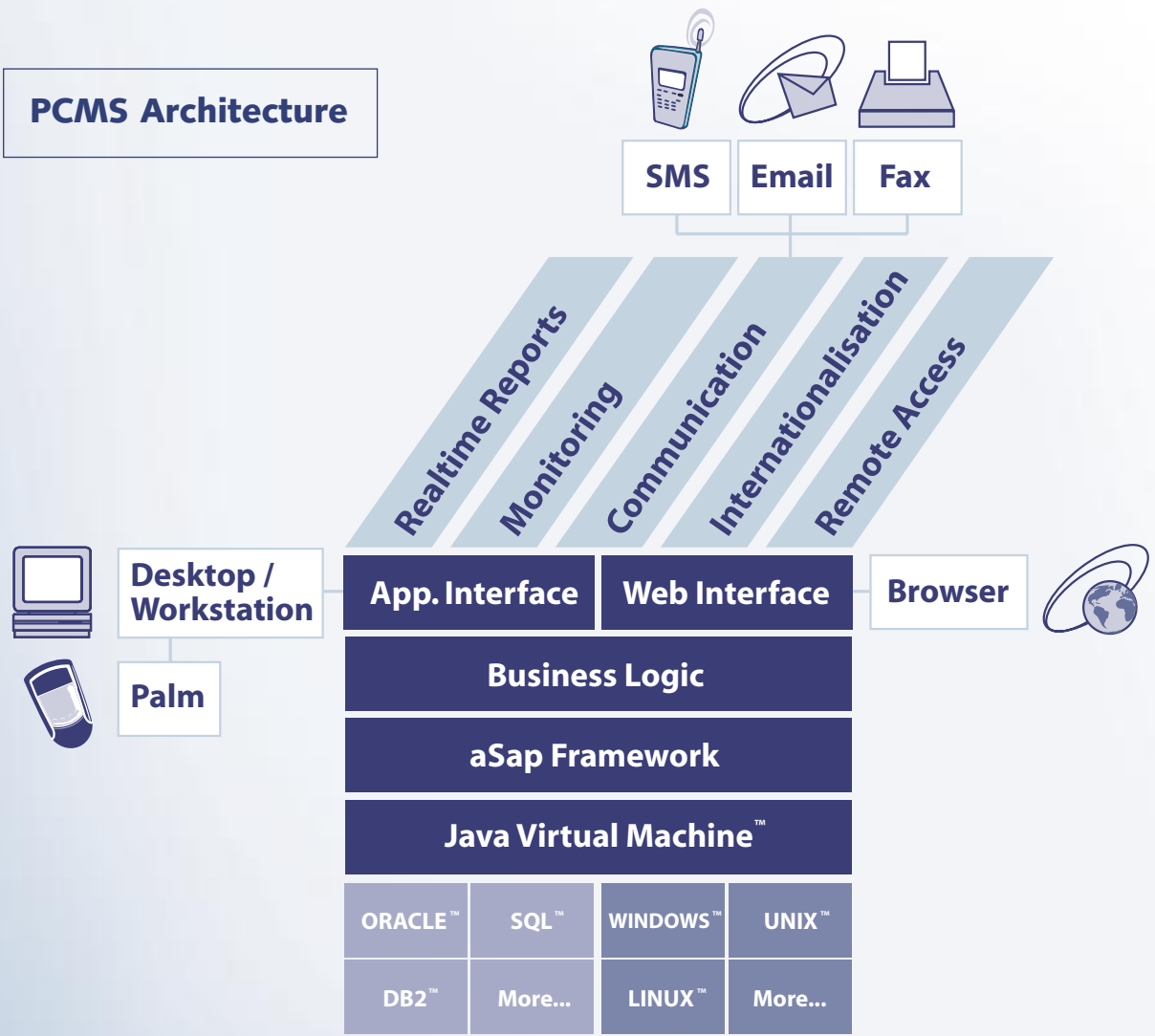
PCMS consists of three components:

1) **Permit Control System** – Manages the life cycle of the permit.

2) **Permit Monitoring System** – Provides a real-time window in which the state of all permits in the system are reported online.

3) **Administration System** – Provides user maintenance functionality

PCMS features:

- **Web based**
  Deployable over the Internet, Intranet and Extranet

- **Remote Access and monitoring**
  Provides real time status for all permits at site

- **Internationalisation**
  Multi-lingual support

- **Communication**
  Notification via SMS, e-mail and fax.

- **Real time and historical reporting capabilities**

- **Standardisation of permits within global enterprise**
  Allows large multi-nationals to standardise their permit issuing systems

- **Authentication and Authorisation**
  Provides a role-based security access control

PCMS Architecture

SMS **Email** **Fax**

Realtime Reports · Monitoring · Communication · Internationalisation · Remote Access

Desktop / Workstation

Palm

App. Interface **Web Interface** **Browser**

Business Logic

aSap Framework

Java Virtual Machine™

| ORACLE™ | SQL™ | WINDOWS™ | UNIX™ |
| DB2™ | More… | LINUX™ | More… |

PCMS advantages over paper based systems:

- **Secure repository of permits**
  Electronic permits are stored centrally in a safe and secure location

- **Generation of permits only allowed at source**
  Using a hand held device ensures that the permit can only be generated at source

- **Unadulterated information**
  Information can not be tampered with once submitted to the central repository

- **Immediate access and monitoring**
  Provides real time status of all permits automatically

- **Identification of conflicts**
  Immediate warning if other permits are active within the same area

- **Automatic notification**
  The system can be configured to issue warning via SMS, Fax and e-mail on any pre-configured conditions