



Transforming Transactions
into Relationships

NCR Octane 2000

NCR, which for decades has been a leading provider of solutions for the retail industry as well as for communication solutions, is a natural partner in the petrol retail industry.



Behind this comprehensive solution, tailored for retail petrol management, is the in-depth knowledge that NCR has built up through developing and installing customer-focused solutions for more than 30 years.

A site management solution for service stations

The only way to manage petrol retail in the future is to collect detailed information about customers and sales. This information provides the basis for continuous improvement, which in turn means Efficient Consumer Response.

Petrol retail is a complex business. It involves forecourt management, accounting systems, dealing with dry and wet stock, creditor and debtor control, financial reporting and merchandising. This, naturally, requires efficient communication and headquarters, financial institutions, external databases and suppliers.

NCR, which for decades has been a leading provider of solutions for the retail industry as well as for communication solutions, is a natural partner in the petrol retail industry. NCR's Octane 2000 provides a total solution for service stations. It offers:

- Complete integrated site management
- Communications
- All you need for reporting to HQ, for example, card management (including loyalty schemes), data warehousing, merchandising and financial analysis

Octane 2000 is not only for large service stations. It is "scalable," which means that it grows as your business grows. The information that you can collect will guide your decision-making and lead to:

- Increased sales and customer understanding
- Reduced stock
- Improved station automation

A solution which grows with your business

Integrated Solutions

You can use Octane 2000 on a single workstation, with all the facilities you need, such as: Point-of-Sale, Back Office, Forecourt Control, System Control, Data Extraction and Communication to Headquarters.

Distributed Solutions

If you need a more sophisticated system, you can expand. For example, you could have two Point-of-Sale (POS) terminals and one Back Office System. This kind of expansion gives you higher performance and greater reliability.

System Characteristics

Flexibility

Each module within this system can function independently. This allows

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NCR to provide you with anything from a comprehensive turnkey solution for managing your business to one module that can function alongside your existing investments: state-of-the-art open systems technology that benefits both customer and supplier.

The screenshot shows the NCR PMS Octane 2000 POS interface. At the top, it displays '29.08 TERMINAL: 1 SALES' and 'Shift: 77 DAY DATE 02/02/2000 16:24'. Below this, there are three input fields with values: '1 589.34', '3 7928.41', and '4 11243.77'. A 'LOW LEVEL' indicator is visible. The main area contains a table with columns: No., Pmp, Department, Qty, Price, and Total. The table lists items like Crisps, Flowers, Lion, and Chocolate mint. A 'SPLIT PAYMENT' section shows 'Euro 5.00 x 1.500000', 'Voucher 2.00', and 'Cash 2.00'. At the bottom right, a summary shows 'TOTAL 11.26' and 'SPLIT 11.50'. On the right side, there is a 'System Status' panel with indicators for 'Can't reach PC', 'LOW LEVEL', 'Shift Status', 'Stored transaction', 'Suspended shift', 'Transaction Status', and 'Receipt Off'. The NCR logo is in the bottom right corner.

No.	Pmp	Department	Qty	Price	Total
1		Crisps	1,25	1,25	1,25
2		Crisps	1,25	1,25	1,25
3		Flowers	7,50	7,50	7,50
4		Lion	2,50	2,50	2,50 DELETE
5		Chocolate mint	0,63	0,63	0,63
6		Chocolate mint	0,63	0,63	0,63
7		Chocolate mint	0,63	0,63	0,63

	Qty	Price	Total
SPLIT PAYMENT			
Euro	5.00 x	1.500000	7.50
Voucher			2.00
Cash			2.00

Dept/ Pump/ PLU/ Qty X/ CC/ Menu/ Receipt	TOTAL	11.26
	SPLIT	11.50

Growth Potential

The system can be upgraded to provide for a greater number of Point-of-Sale terminals; different pumps; or full on-line, item-by-item data communications. The site maintenance application allows site managers to configure the site via a personal computer situated in a back office.

Control

The system allows for management control at two levels – at the site, via standard reports and site maintenance, or at Head Office. A business overview is available at both levels at any time.

Security

Access to the Back Office System is password-protected. Each user has a password and can belong to one or more groups, and each group has access to a certain level of functionality, for example, site configuration, reporting or PLU management. As groups are configurable, a very flexible security scheme is achieved. Access to a Point-of-Sale terminal requires that an operator enters a password when signing on. In addition to that, dedicated POS-terminals offer keylock security with four positions: closed, normal operations, supervisor operation and programme operation.

Real Time

Since information on sales is sent online to the back office computer, Stock Levels, Performance and Debtor information is always up-to-date.

Reliability

The system is designed to maximize performance and security. Modules operating independently of each other mean that a hardware failure in one part won't affect the rest of the system. Customers can continue to be served and the cash flow doesn't dry up.

System Requirements

Standard platform supported by Octane 2000 is the 7453/3262-platform. In addition to this, customer specific configurations can be provided, comprising:

- Dynakey
- 7401/7454 with touchscreen
- PCoCD

Please contact NCR PMS for further information.

System Components

Point-of-Sale

The Point-of-Sale (POS) system collects and stores detailed customer and product information. Easy to learn and easy to use, the POS gives any station a streamlined administrative system that increases not only productivity, but also customer satisfaction.

The POS provides wet- and dry-stock handling on the same unit. The functions of the typical pump controller are integrated for a more ergonomic solution. The POS handles both credit cards and local accounts. It can be a standard PC or a dedicated POS terminal fitting NCR's worldwide retail programme.

The POS terminals can be connected to some of the leading peripherals on the market such as scanners, printers and electronic shelf edges, and supports:

- Item-level scanning and management
- Full credit card handling, including loyalty scheme and PIN codes
- Cashier accounting/reconciliation including safedrop

Back Office System

The Back Office System (BOS) stores all site data in a site database. The use of ODBC ensures independence of database vendors.

Over and above standard database management, this gives the possibility of generating shift, daily or monthly reports; department- or item-sales analysis and statistics; stock levels and counts; and many other relevant reports. The BOS PCs are standard PCs connected to printers, scanners and hand-held terminals:

- Item, price and order management, including label printing
- Site configuration
- Sales statistics and reports
- Stock counts and adjustments
- Graphical User Interface
- Fully integrated on-line help manual

Accounting Package

The Back Office System can be extended with modules which control debtors and creditors, as well as an accounting module. On top of this, the import/export facilities in Octane 2000 allow the use of other accounting modules:

- Debtor management
- Creditor management
- Import/export of financial data

Forecourt Control System

The Forecourt Control System (FCS) controls Tank Gauges, Price Signs, Outdoor Payment Terminals, Car Wash and Pumps via intelligent pump-controllers. The FCS includes a facility for controlling Outdoor Card Readers for attendant service.

- Full control of all Forecourt devices
- Support of attendant service, self-service and "ghost" stations
- On-line update of wet-stock prices including price-war management

Communication

Communication between the service stations and the headquarters, suppliers or financial institutions is supported using point-to-point connections or Wide Area Networks. Both international standards and defacto industrial standards are supported, for example asynchronous dial-up lines, ISDN-circuits and standard X.25 networks. The communication capabilities enable the following functions:

- Remote on-line access, which enables remote system management and configuration changes
- On-line card validation where cards are validated on a central host and batch or on-line collection of credit card transaction
- Batch collection of data files from service stations, which makes it possible centrally to analyze sales data and financial data.

System Control

System Control comprises the internal architecture of the Octane 2000 and the functionality required for system management. Octane 2000 is mainly written in "C" based on a portable concept independent of operating systems. The communication between devices in the distributed solution is carried out via high-speed interconnections, and software distribution of new versions can be controlled centrally.

- Windows NT®
- High-speed interconnection of devices
- Software Distribution
- Remote system management

A Constantly Developing System

Octane 2000 is a comprehensive site business management system, specially developed for petrol service stations. The programme has been developed over many years within the forum of an extremely close-knit business relationship with our customers in the retail

oil industry. This dynamic combination is your guarantee that Octane 2000 meets the real site management needs of service stations, both now and in the future.

NCR's position as a world leader in data warehousing and retail solutions ensures that Octane 2000 will continue to be a product at the sharp end of technological innovation; and with our global network of offices, professional support for the product is available wherever your business is located. What is more, belonging to an ISO 9001 organization ensures that the quality of all the services we offer our customers is exactly as it should be.

NCR PMS A/S

NCR PMS has been working with the petrol retail business since 1964 and is NCR's center of expertise for Petrol Retail Solutions.

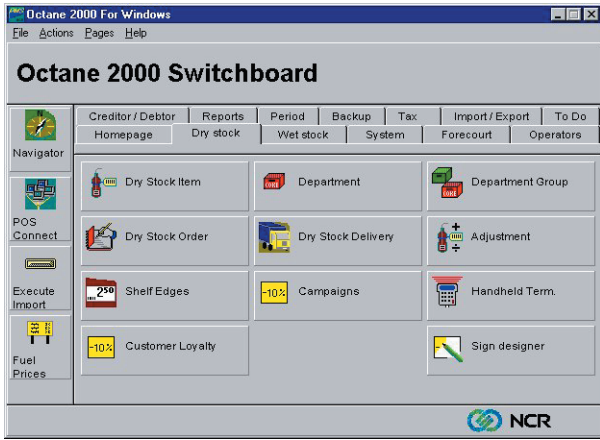
The central philosophy of the company is to provide solutions that enable total integration between the forecourt, the shop, the back office and the headquarters.

NCR PMS specializes in the development of systems to the retail oil industry. Today there are more than 1,700 installations operational at service stations in Europe, the Middle East and Africa.

No.	Pmp	Department	Qty	Price =	Total
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6		Chocolate mint	0.63	0.63	0.63

Item is in campaign
3 Choc. Mint - pay for 2

Dept Qty X / Amount / Payment TOTAL 11.26



Head-office systems

- Providing information
- Collating information
- Fourth generation tools used for advanced report generation facilities

Octane 2000 is the complete site management solution, and is an important element in NCR PMS's total solution for the retail oil industry.

Consultancy Services

Our consultants possess an in-depth knowledge of the industry. In connection with the setting up of a new system, they will not only take responsibility for project management and the actual installation, but will also assist in mapping out the working procedures required to operate the system.

Our systems can be installed either as complete solutions or as stand-alone modules. They cover the following areas:

Forecourt management

- Full forecourt management including pump and wet-stock management
- Support of attendant service, self-service and "ghost" stations
- Support of OPT, Smart-card terminals, and charge-card terminals

Shop management

- Cash terminals with integrated pump management
- Stock management systems
- Supports hand-held bar code terminals for ordering and stock taking
- Loyalty data, sales campaigns and chain management facilities

Administrative systems

- Financial management systems
- Special workshop systems
- Electronic ordering and invoicing

Communication

- To banks, suppliers and headquarters
- Cost analysis of data and telephone network
- Technology analysis

Program Maintenance

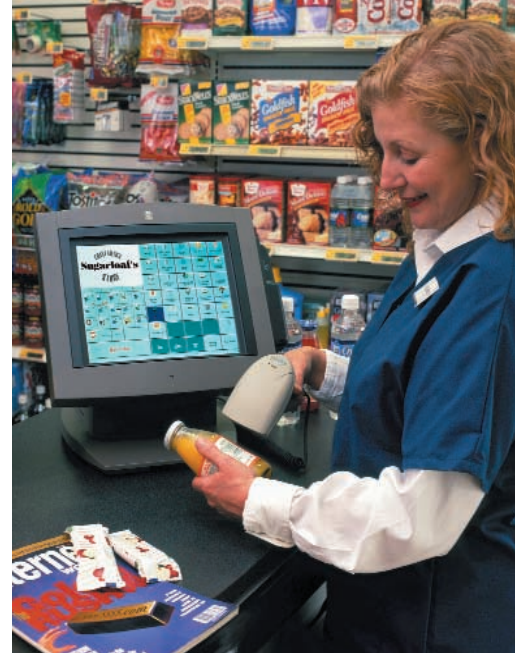
Octane 2000 is backed by an excellent maintenance scheme which among other things provides access to updated versions of the software. This ensures not only that Octane 2000 will always meet new national and European legislative requirements, but also that the very latest product developments, carried out in close cooperation with our customers, are available to every system user.

Hotline

A hotline subscription gives access to help over the telephone during normal office hours. Whatever the problem, we are only a telephone call away.

Courses

NCR offers a comprehensive programme of courses. We run general courses as well as courses that have been tailor-made to meet specific customer requirements. Training is also offered at the service station itself as part of the Octane 2000 installation process.



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NCR continually improves products as new technologies and components become available.

NCR, therefore, reserves the right to change specifications without prior notice.

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Patents Pending

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