



THE DEVELOPMENT OF THE OYSTER CARD

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WHEN YOU THINK OF THE U.K...



https://commons.wikimedia.org/wiki/File:HM_Queen_Elizabeth_II.jpg



https://commons.wikimedia.org/wiki/File:The_Palace_of_Westminster,_a_Routemaster_bus,_and_a_red_phone_box,_London,_8_December_2005.jpg

THE OYSTER CARD



<https://pixabay.com/photos/travel-card-oyster-london-transport-413743/>

WHY IS THE OYSTER CARD IMPORTANT?



- Changed the way people travel
- Launched in 2003
- 90 million cards issued
- Cash not necessary
- Reduced queues

<https://www.flickr.com/photos/62954923@N03/12881545874/in/photostream/>

HOW DOES THE OYSTER CARD WORK?

- RFID (RADIO FREQUENCY IDENTIFICATION) TECHNOLOGY
- DATA EXCHANGED VIA ELECTROMAGNETIC FIELD
- CARD HAS UNIQUE USER ID
- UPDATES PERSONAL ACCOUNT
- 2003 MIFARE CLASSIC CHIP
- 2009 MIFARE DESFIRE EV1 (MINI CPU)





THE FUTURE OF THE OYSTER CARD AND SIMILAR SYSTEMS

- 2014 CONTACTLESS PAYMENT VIA BANK CARD/CREDIT CARDS ACCEPTED
- 60% PAYMENT VIA BANK CARD
- 40% VIA OYSTER CARD
- SET PRECEDENT FOR CONTACTLESS PAYMENT
- PLANNED IN N.Y.C., MIAMI, SYDNEY, & BOSTON
- 37% OF POPULATION WILL USE TECHNOLOGY BY 2028

<https://www.flickr.com/photos/mtaphotos/47973827818>

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