

## ENGINEERS' DATA BOOK

### iPhone and Android

Wiley is the world's largest publisher of scientific, technical, medical, and scholarly publications.

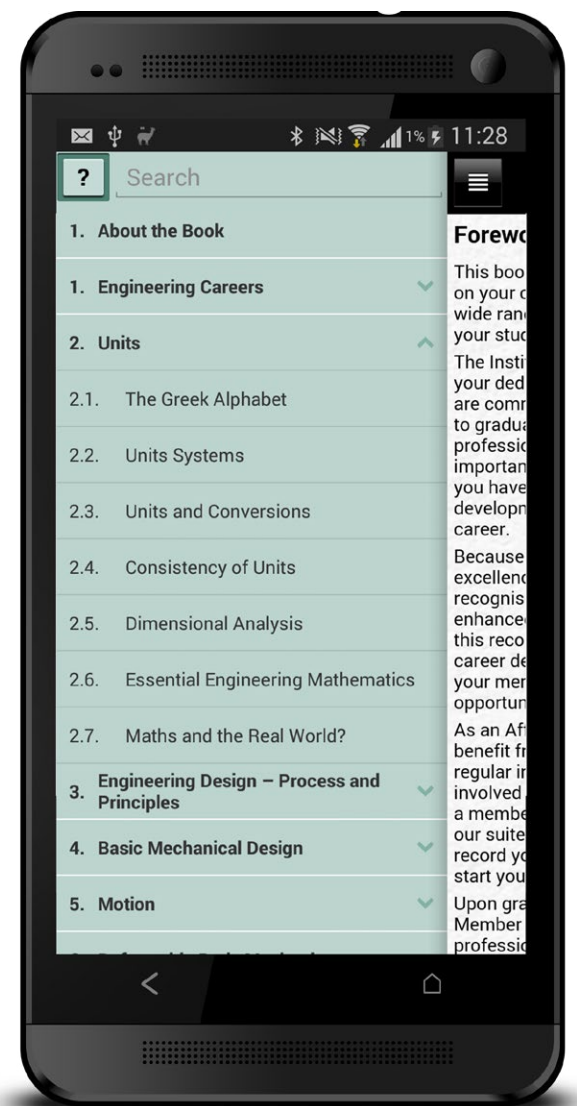
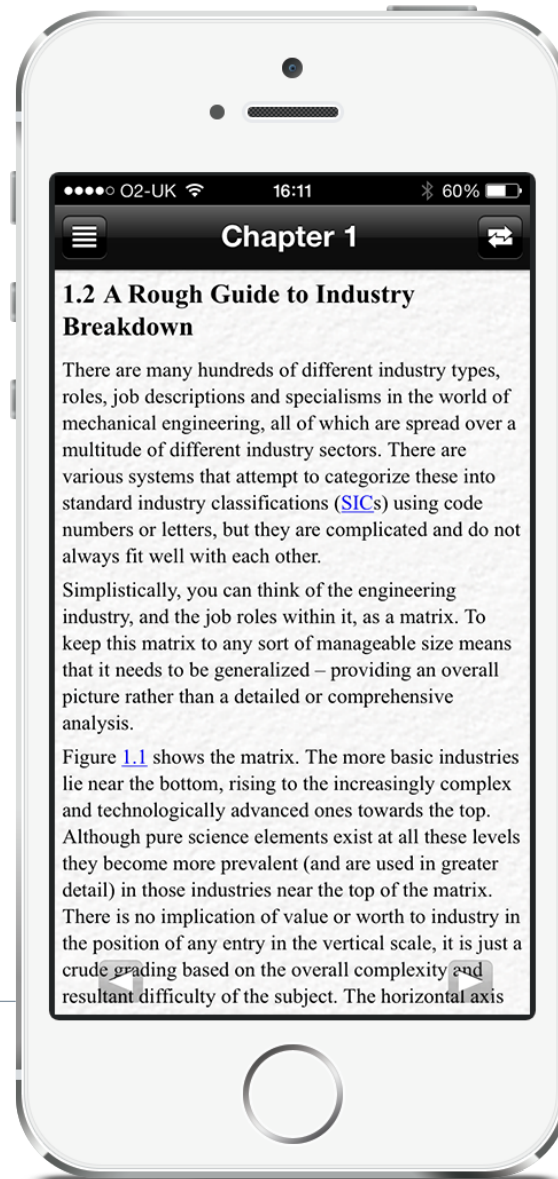
One of Wiley's clients, the Institute of Mechanical Engineers (IMechE), had a requirement for one of its publications to be delivered as an iPhone and Android app. Wiley commissioned Compsoft to develop the solution which is now available on the Apple App Store and Google Play.

Compsoft developed a hybrid app (i.e. one using both native and web components) for iPhone and Android which displays the digital book content supplied by Wiley. This content can be easily updated by importing new XML files and releasing an update to the app stores. Compsoft developed the app to include native navigation, search and a unit conversion calculator, while the publication content is displayed using HTML in an in-app web-view.

Institution of  
MECHANICAL  
ENGINEERS

#### 1. Web-view Content

The text is displayed to take up as much of the screen as possible and sits on a textured background giving the user an impression of real paper. There is a native menu bar at the top with options for the navigation and calculator. There are two native buttons floating over the web-view at the bottom of the screen that allow the user to page to the next section; alternatively the user can swipe right or left on the screen to achieve this.

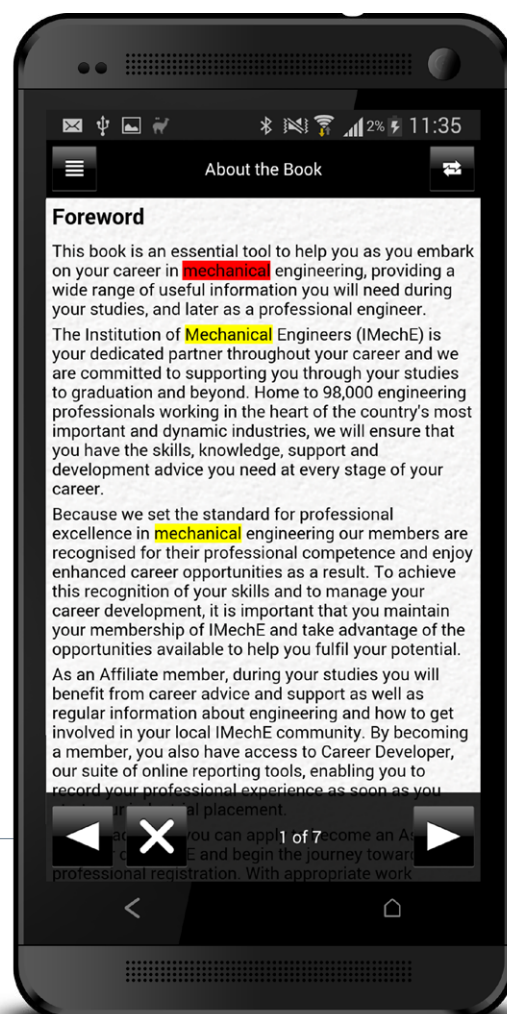
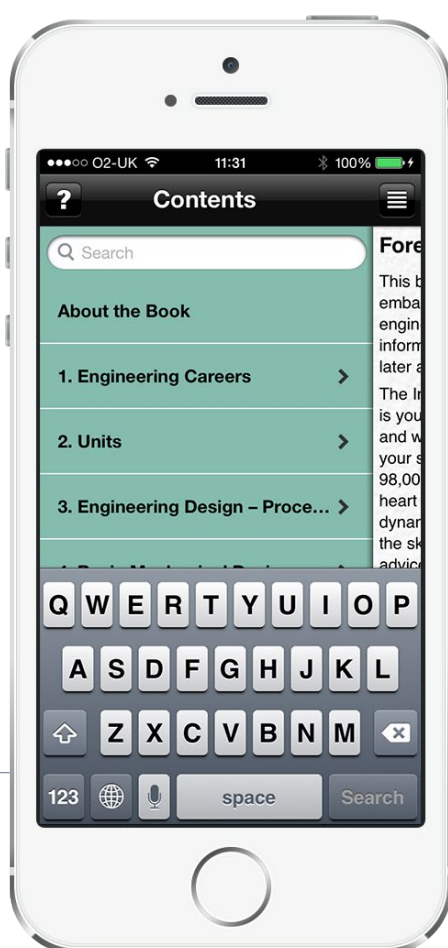


#### 2. Native Navigation

When the user taps on the menu button the content animates to the right to reveal a native table of contents. The items labelled with a '+' expand to display the sub-sections of a chapter when tapped. In this example the 'Units' section has been expanded.

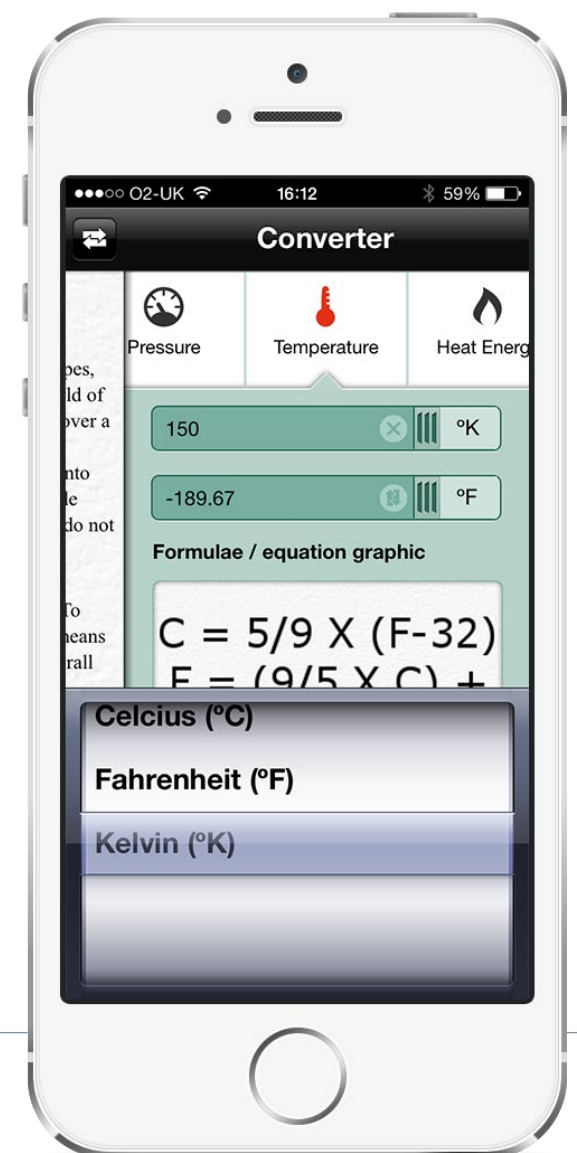
#### 3. Native Search of HTML Content

Tapping into search allows the user to type a search term...



#### 4. Native Conversion Calculator

The user can tap either the calculator button or a link in the HTML page to open the conversion calculator. This allows them to make common conversion calculations and displays the formula being used to make that calculation.



Once the user taps Search, the searched for word or term is highlighted in the HTML page. The user can tap the native black arrows to cycle through the document for matching results.