



# Product Road Map...

**timeware**<sup>®</sup>  
workforce management solutions

Updated 25th March 2021

## timeware® 6



The current iteration of timeware® Professional is version 6, code name Project Tripoli, which was released in 2002 and originally designed for organisations with up to 1,000 employees.

In 2017 we began a complete re-design of the application to version 7 under the code name Project Toronto. This major development is scheduled to take up to seven years and will incorporate design concepts and technologies that will enable us to provide solutions for larger, multi-location organisations supporting over 10,000 employees.

## timeware® Professional 2018



**suprema**  
INTEGRATION PARTNER

### Suprema integration

The first major development decision was to switch from designing our own hardware to working alongside a market leading biometric specialist called Suprema Inc.

timeware® have assembled over 20,000 attendance terminals since 1986 and the decision to stop manufacturing was based on the fact that our primary specialist skill is software development.

The Suprema range includes IP67 rated devices incorporating award winning biometric technology. We now have that ability to include world-class fingerprint and face recognition devices in our attendance and access control installations.

## timeware® Professional 2019



### Tokyo platform

Occasionally there are projects that require non-standard data collection methods so in 2019 we released the Tokyo platform, a software package that turns a Windows 10 touch-screen PC into a fully customisable 'timeware®' terminal with support for staff attendance, cost centre analysis, job costing and employee self-service.

The Tokyo platform supports barcodes, biometrics and proximity fobs and can run on a massive range of readily available wall-mounted and mobile PCs.



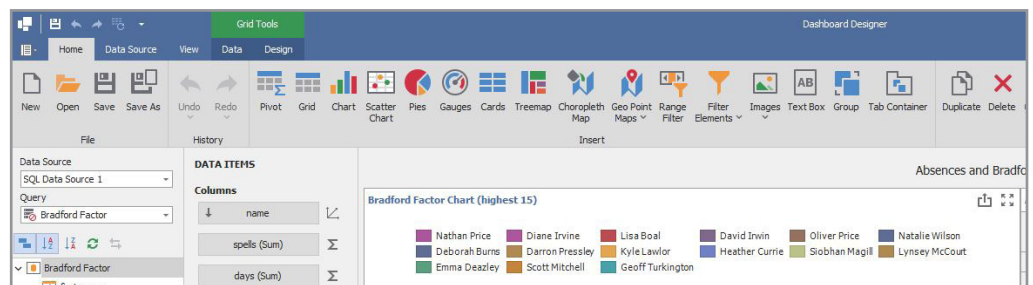
## timeware® Professional 2021



### Dashboard and Report Viewer

Included in the timeware® Professional 2021 software suite are two new applications developed to Project 'Toronto' standard. Users will see the introduction of the Dashboard

designer plus the Dashboard and Report viewer. The applications incorporate many features that have been included in the new timeware® standard such as the introduction of a ribbon menus, incorporating large, tabbed toolbars, filled with graphical buttons and other graphical control elements grouped by functionality. In-line error validation and null text prompts to make data entry more intuitive and selectable themes & palettes for a truly personalised timeware® experience.





**FaceStation F2 integration**

2021 sees Suprema's new FaceStation F2 integrated with timeware® Professional.

FaceStation F2
Non-contact
IP65
Perfect for attendance and access control.
Supports various proximity card formats.



**ESS Go**

After 5 years of reliable service the Mobile Worker app is being superseded by ESS Go. The 'ground-up' redesign will mean that ESS Go is more efficient, faster to use and the perfect platform to incorporate new features as we extend our reach with a fully functional employee self-service mobile app.

Employees will have the ability to check their holiday entitlement, request time off and request the cancellation of authorised leave. Leave requests

made through the app will be stored in the NMD3 cloud, accessed by timeware® Professional and passed to the timeware® client for approval by a manager.

Additional features include a 31 day attendance rota viewer, the ability for employees to check their own attendance timesheets, personal detail change requests plus job costing and cost centre data entry.

However, the apps most exciting feature will be its compatibility with the new timeware® Pucks, low cost attendance and assembly points utilising NFC technology.

Requests made through the app will be stored in the NMD3 cloud, accessed by timeware® Professional and passed to the timeware® client for approval by the relevant manager.

The Mobile Worker app will be withdrawn from service on 1st November 2022, 12 months after the release of ESS Go.

Please note that the ESS Go will still be activated by an annual licence but will have different pricing structure to the Mobile Worker.



timeware® Puck

## timeware® Professional 2022

### X-Station 2 integration

timeware® extends its range of compatible devices with the integration of the new X-Station 2 supporting POE and RFID plus the potential for QR code and fingerprint enhancement.

### AirFob integration.

Attendance booking and access control using your mobile phone!

X-Station 2
Non-contact
IP65
Perfect for attendance and access control.
Supports various proximity card formats.



**Airfob**



**image available  
June 2021**

## timeware® Reach



### Launch of timeware® Reach

2025 will see the launch of an new software sales model called timeware® Reach, where the timeware® software is licenced on a subscription basis and will be centrally hosted in Microsoft's Azure cloud and accessed through [www.attendance.co.uk](http://www.attendance.co.uk).

timeware® Reach will be available to users using a thin client, eg: a web browser.

The launch of timeware® Reach will see the withdrawal of the TWC Web application.



### 1 Themes

The application will support the use of Themes and Palettes; Users can select from a range of themes to determine how the application looks and feels. For example, if the user wants the contrast to be lighter they could pick a certain theme. If they wanted the application to work on a touchscreen PC, they could change to a touch friendly theme. If somebody had reduced eyesight, a theme with more zoom could be selected.

### 2 Removal of "Hidden" Right Click

Removed the use of right clicking to access the context menu within the application as users were often unaware of its existence!

### 3 Ribbon Menus

Ribbon menus are now standard in timeware®. The menu automatically changes dependent on the user's action within the application. For example, if the user is in attendance adjustments, only relevant attendance adjustment actions would be available in the ribbon menu.

### 4 Coding Pattern – Model View View Model (MVVM)

Coding separated from the UI (User Interface). This is to enable the fast development of alternative UIs (including a Web based UI), in the future.

### 5 Enterprise Class Solution

New Coding Pattern is designed to enable many programmers to work on the application simultaneously. This new technique uses cutting edge technology and ensures that timeware® can be developed in the most efficient way possible.

### 6 Null Text Prompt

Greyed out message fields now contain suggested input.

### 7 Inline error handling

Missing information will cause the application to show the user where the problem is and what correction is required. This will reduce the use of message boxes and ensure an enhanced user experience.

### 8 .NET Core 3 to .NET 5

In the future, the release of .NET 5 will be easy to transition to from .NET Core 3 with hardly any programming changes required.

### 9 .NET Core 3 uses Entity Framework Core

.NET Core 3 uses Entity Framework Core which in the future may allow the use of a different database to SQL, such as MySQL.

## Project Toronto concepts and technologies

### 10 Logging (Support)

Detailed local logs are created per install, Archive log files are created for the last 14 days. They will show errors and unique logging errors. Previously this data was shown in the Audit Trail within timeware®.

### 11 Audit trail

Will now only show information relating to user based data, such as user A edited employee C's Personnel record, and what was changed.

### 12 Microsoft Application Insight

Enables the development team to improve the application by allowing advanced diagnostic information to be sent to Microsoft Azure. This information can then be used by the development team to improve future releases of the product. Customers will be required to approve the application insight by giving timeware® consent at point of installation.

## Project Toronto concepts and technologies August 2020



### 13 Themes - SVG Based Icons

SVG, (scalable vector graphics), icons have been introduced as they are resolution independent and responsive. Images can be scaled and reduced when required and will still remain clear. Additionally SVG icons support multiple themes and can interact directly with a theme change.

### 14 Backstage Pane

Introduced a new menu, similar to Microsoft office menu. We have added access to support options within timeware®, such as change request, ticketing, link to timeware's websites and more. The user can also view their current licence information in timeware® by accessing the licence options built in the backstage pane.

### 15 Badges on icons

Badges on Icons have been introduced to clearly identify notifications and bring attention to the user. These work similarly to text messages on your phone, if you have unread messages the message icon displays a number of message's unread.

### 16 Flow Control

Screens within the timeware® application can be resized based on the user. To allow the resizing of modules we have had to add flow control.

### 17 Adaptative Hamburger Menu

We have removed all old tree menu views, All the forms have been made adaptative to suit all resolutions. The user can make the most out of the screen size available to them for a truly adaptive experience.

## Project Toronto concepts and technologies

### 18 User Account

A new feature has been introduced to each timeware® application that allows a user to check their personal preferences. Initially this includes their selected policies plus the ability to modify their password. New personal preferences will be added to this feature throughout the development of Toronto. Users preferences are now stored locally on the client PC rather than the Server. This will benefit users who access timeware® from different computers with different sized monitors.

### 19 Web API

WEB API will be for timeware® internal use. It is designed to pull information from the cloud for the mobile worker.

### 20 Toronto API

Toronto API will be release in November 2020. The Toronto API is designed for reporting on information held within timeware®. The data will be structured and easy for technical users to retrieve desired data from the timeware® system. Currently, users cannot pull data from timeware® as the database structure is complicated. The new API will also reduce network traffic on the system when requesting data. Reporting tools such as Power BI could be used in conjunction with the Toronto API.

## Project Toronto concepts and technologies September 2020



### 21 List Functionality

Any list, either regular or templated, can be printed, emailed and exported from the ribbon menu. All lists have a built in search option enabling fast access to required data. This improvement is more noticeable in longer lists, for example the Personnel Find Form. All lists support print preview and export features.

### 22 Exports

Within User Preferences, the user can select to use an in-built viewer or a Microsoft application viewer. All application viewers support PDF, Word and Excel formats without the need for Microsoft Office. Exports include PDF, XLSX and Docx formats. The user has the ability to select their preferred format.

### 23 Dashboard/Report viewer

All users favourite reports, dashboards and exports show in the favourite section of the ribbon menu.

### 24 Inline Commands

When hovering the cursor over a specific field, additional inline command icons now appear. Current commands include export properties, print options and favourites selection.

Inline commands ensure that screen design is kept clean and simple.



## 25 Modal forms

When a modal window is in use, a new compact ribbon menu is available. This is due to the main window being disabled but visible and the ribbon menu disabled during this time.





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workforce management solutions

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