# Microsoft Power BI
## Public & On-Site Training

**Burningsuit** is an established and trusted provider of high quality end-user training, specialising in **Microsoft Power BI** and **Excel.**

Our range of courses for end-users cover all aspects of Power BI and Excel together with consultancy and implementation advice. Our training can also cover other Microsoft applications including Office 365 and Sharepoint, particularly where these products integrate with Power BI.

## PUBLIC AND PRIVATE COURSES

Our courses are available as public off-site training at our training rooms in London, or as private custom courses we can hold at your offices, bespoke to your team's need. We can provide everything necessary for the training day, from licenses to laptops.

We are experts in what we do, as our many corporate clients can attest. We work closely with Microsoft and the Power BI community to stay ahead of developments and use this knowledge to provide leading training and consultancy in this quickly changing field.

## Private on-site courses

For on-site training, we can provide everything necessary for the Training Course a **high specification laptop**, preloaded with **Power BI Desktop**, **Microsoft Office** and **Training Data**, together with all licences required for up to **10 attendees**. All you need to provide is a suitable room and access to WiFi and we'll do the rest. We can customise an on-site course to your specific requirements, including connecting to your data where applicable.

## Public Courses in London

Public courses are run at **citizenM, 20 Lavington Street, London SE1 0NZ**. They have excellent facilities with a stylish comfortable set of Training rooms and fast free WiFi. The rooms are located close to **London Bridge Station**, and a short walk from the City of London. citizenM is also an Hotel and you can book accommodation, if you require it, direct with them.
**See our web-site for course dates and prices**. The course costs includes all equipment and licences necessary, plus **Lunch and refreshments** throughout the day. Courses start at 9:30am and finish at around 4:00pm each day.

## Quality Assured Training

We pride ourselves on working closely with our clients to understand their specific training requirements. We have recently delivered very successful Power BI training courses to **Reckitt Benckiser** , **the Ministry of Defence**, **Eurovia UK**,  and **Martin Brower LLC**, who would be more than willing to recommend our training to you.  All our trainers are accredited by Microsoft and also qualified members of the Learning and Performance Institute (formerly the Institute of IT Training) and our lead trainer is a Fellow of the Institute. Course attendees get to take away all worked examples and exercises and after the course, we're more than happy for them to contact their trainer with any questions or queries.

## Contact us

Get in touch now to discuss your training requirement or book a place on one of our Public Courses.

*Telephone:  **0800 0199 746***
*Email: **info@burningsuit.co.uk***
*Web: **www.burningsuit.co.uk***

# Course Outline
# Microsoft Power BI
## Advanced



*Duration: 2 days*

This course covers more challenging aspects of Microsoft Power BI. You will learn about the Data Model, its structure and function and how to share it as a Certified or Promoted Dataset. You will work with more advanced DAX functions such as CALCULATE to learn how it can modify filter context.

Using complex Queries for data load, bookmarks and buttons for visualisations, together with App Workspaces and Dataflows you will learn how to create Data Analysis systems that can be shared and used throughout your organisation to provide real data insights and Business Intelligence.

**To get the most out of this course**

You should have attended our 2-day Power BI Fundamentals course or be a competent Power BI user.

## What you will learn:

**• Working with Data Models in Power BI**
*Importing a variety of data sources into Power BI Desktop.*
*Working with Model layouts*
*Creating Many-to-One relationships.*
*Understanding the Data Model.*
*Understanding the importance of Star Schemas.*
*Exploring Outer Joins, inactive relationships and bi-directional filtering*
*Creating Certified or Promoted Datasets*

**• Creating DAX Measures**
*Understanding Implicit Measures.*
*Controlling summarisation in Implicit Measures.*
*Looking at explicit Measures.*
*Understanding Filter Context and Filter propagation*
*Working with a variety of DAX functions:*
*DISTINCTCOUNT, COUNTROWS, SUMX and CALCULATE.*

**• Advanced Visuals**
*Working with conditional formatting.*
*Using DAX in conditional formatting.*
*Creating and editing Bookmarks*
*Using interactive buttons*
*Dynamic Tooltips in visualisations*
*The Key Influencers Visual*

**• Row Level Security (RLS)**
*What RLS does*
*Creating basic Row Level Security*
*Dynamic RLS*
*Limitations of RLS*

**• Advanced Queries**
*Using the Merge and Append Queries options.*
*Using "Fuzzy" merge.*
*Using the Connection to Folder to append.*
*Using Unpivot, Transpose and Pivot transformations*
*Creating Query Parameters*
*Managing and editing Parameters*
*Using a List as input for Parameters*
*Understanding Disable Load*

**• Power BI App Workspaces**
*Generating App Workspaces*
*Linking Workspaces with OneDrive*
*Sharing and Managing Workspaces*
*Creating Apps from Workspaces*
*Sharing and Managing Apps*

**• Power BI Dataflows**
*What is a DataFlow ?*
*Generating and using DataFlows*
*Maintaining DataFlows*

**• Data Refresh**
*Manually refreshing data.*
*When and Why to use a Gateway.*
*Creating, Scheduling and Managing Automatic Refreshing.*
*Refreshing restrictions.*

**• Power BI Governance**
*Power BI administration*
*Security restrictions in Governance*
*Statistics and Audit*