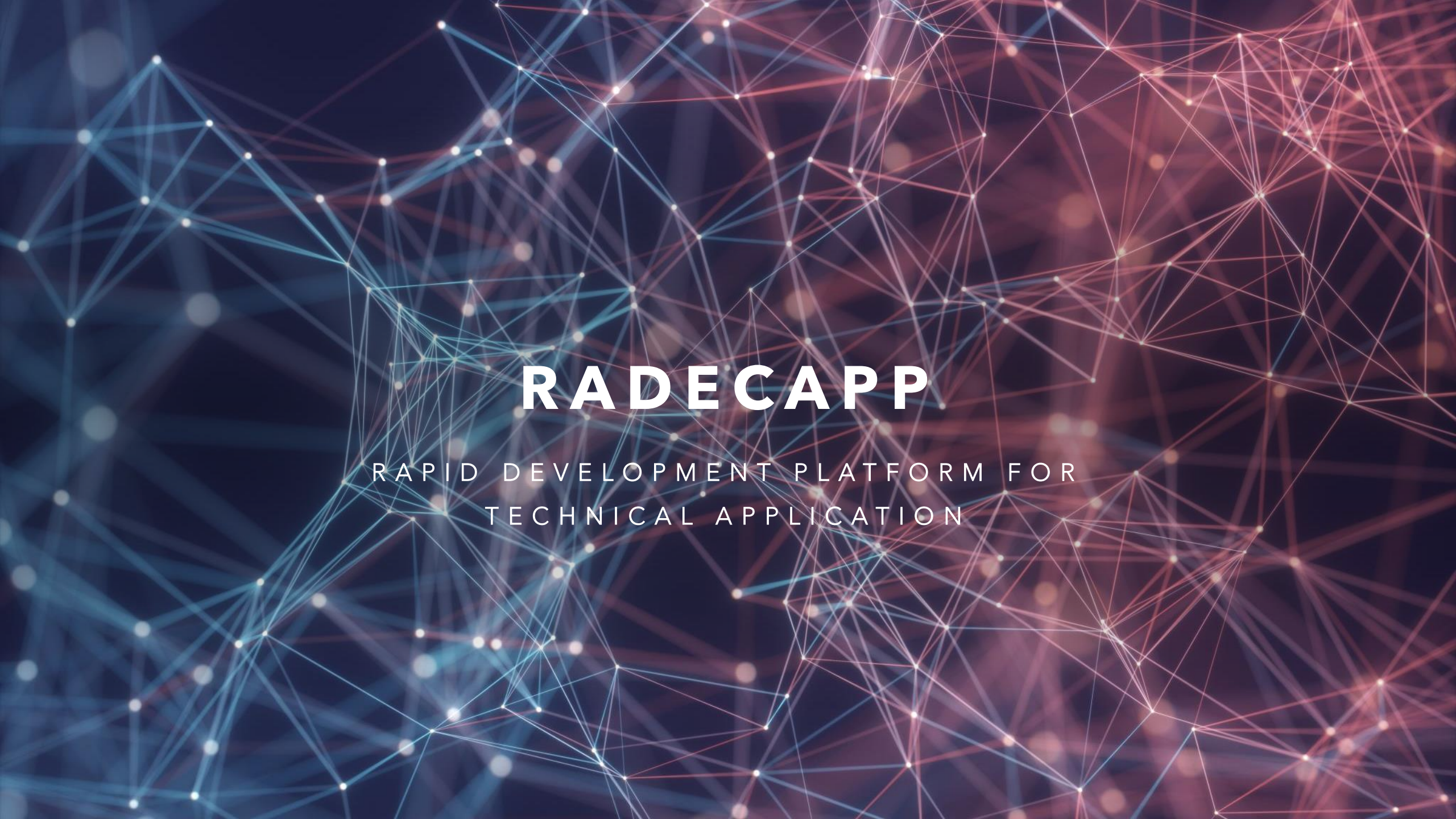

RADECAPP
RAPID DEVELOPMENT PLATFORM FOR
TECHNICAL APPLICATION

BACKGROUND

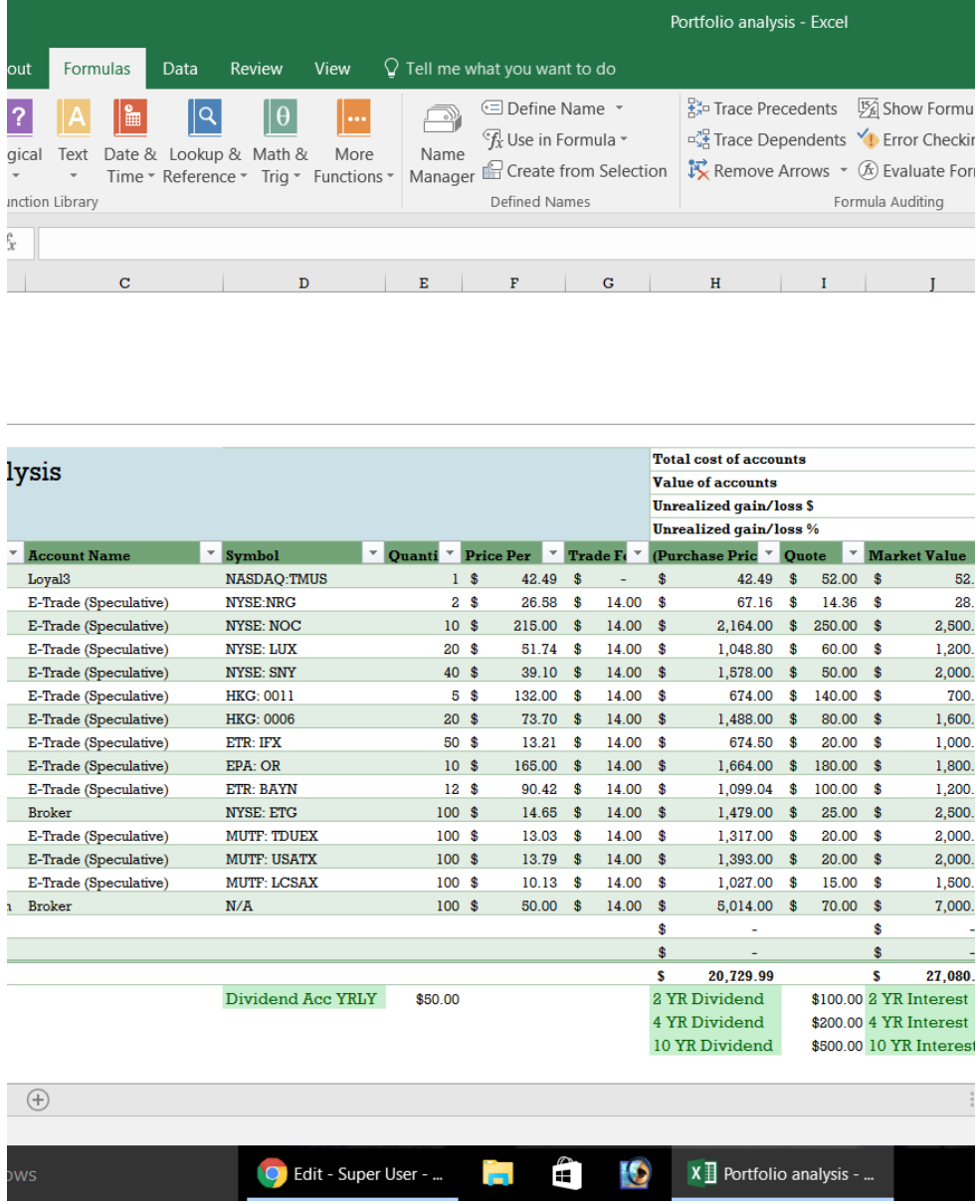
Engineering and high-tech component providers release new products **several times per year**

Technical customers require **tools** to understand the value proposition of the new products to use them properly

Nowadays, most of the tools come in the form of electronic catalogues or **sizing software**.

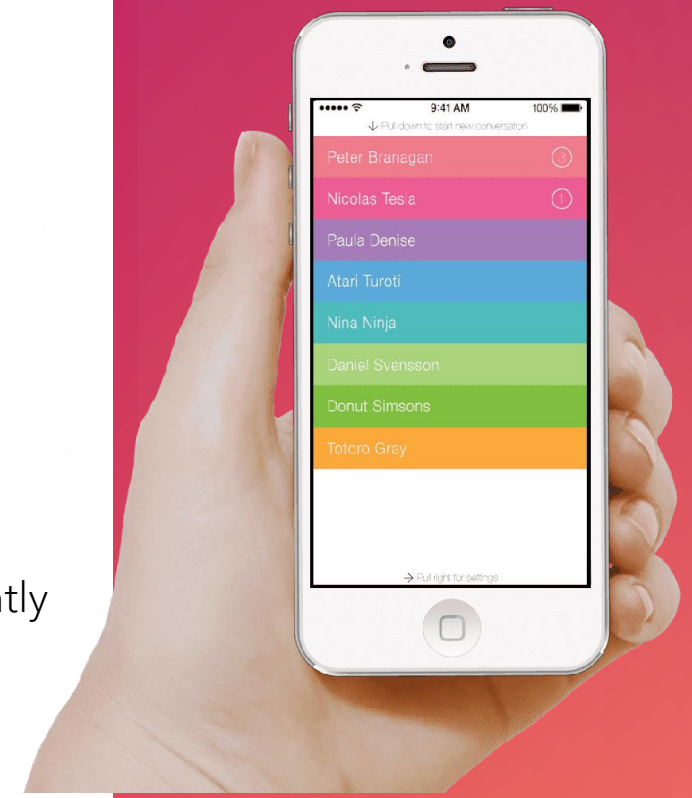
SOLUTION 1- EXCEL SHEETS

- Pros
  - Cheap and easy to develop
- Cons
  - Almost impossible to update after releasing
  - Impossible to control where and how it will be used
  - Easy to reverse engineer
  - Complex calculations require macros that affect compatibility
  - No analytics



SOLUTION 2- NATIVE APPS

- Pros
  - Infinite customization and design options
  - Protects intellectual property when designed properly
  - Easy to update and to deploy
  - Analytics
- Cons
  - Graphical Interface design is expensive, time consuming and frequently fails
  - Programmers will consume hundreds of hours from the product development scientists and engineers
  - Development can take months
  - If built over closed platforms (Firebase, Azure, etc…), service fees must be paid until the end of the app life



RADECAPP

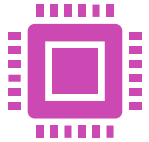
Rapid development framework for technical software

Features the simplicity of Excel spreadsheets with the power and security of native apps

RADECAPP

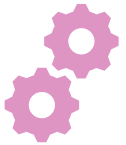
Deploy technical apps without external programmers

Provides everything to develop and deploy technical apps in days



Built over free open source platforms. Oracle and Microsoft licenses are not required

Secure from the base to the top using strong encryption, virtualization, access control lists, and remote processing

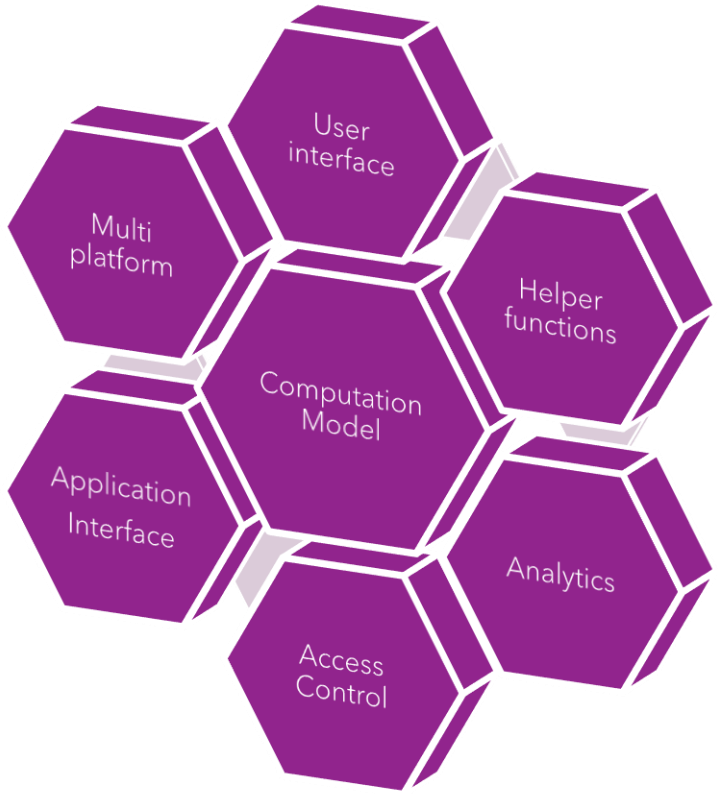


Allow continuous development during production

REFERENCES

- RADECAPP technology powers **Plutocalc Designer**: www.plutocalc.com/designer

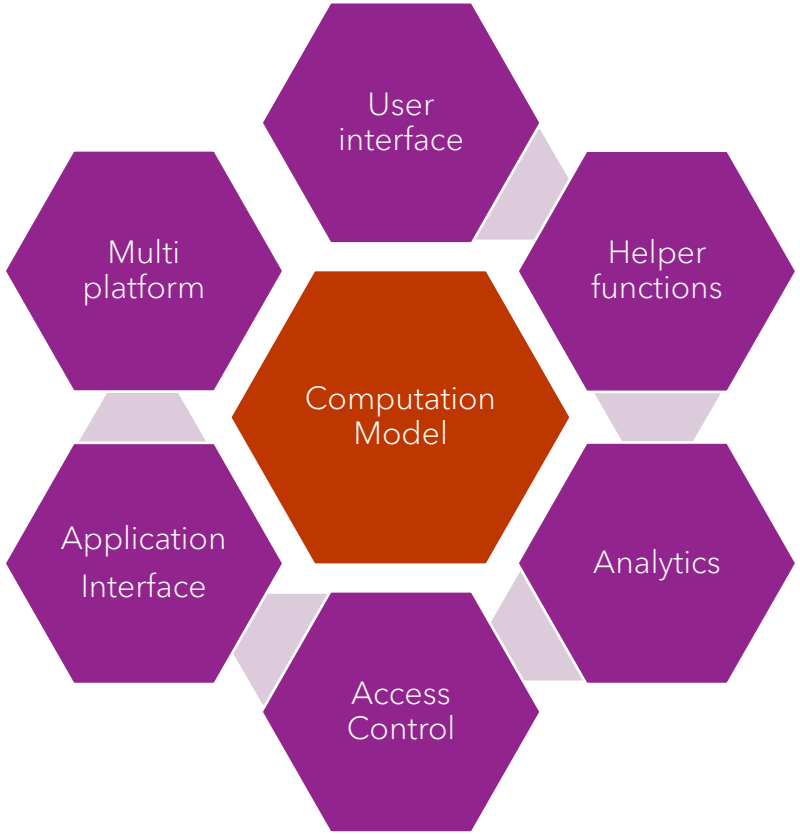
OVERVIEW - CORE



A complete package with everything needed to design and publish a technical app in days.

The ecosystem is platform agnostic, it can run on any server, from cheap shared hosting companies to complex multi-core servers in AWS.

OVERVIEW - MODEL

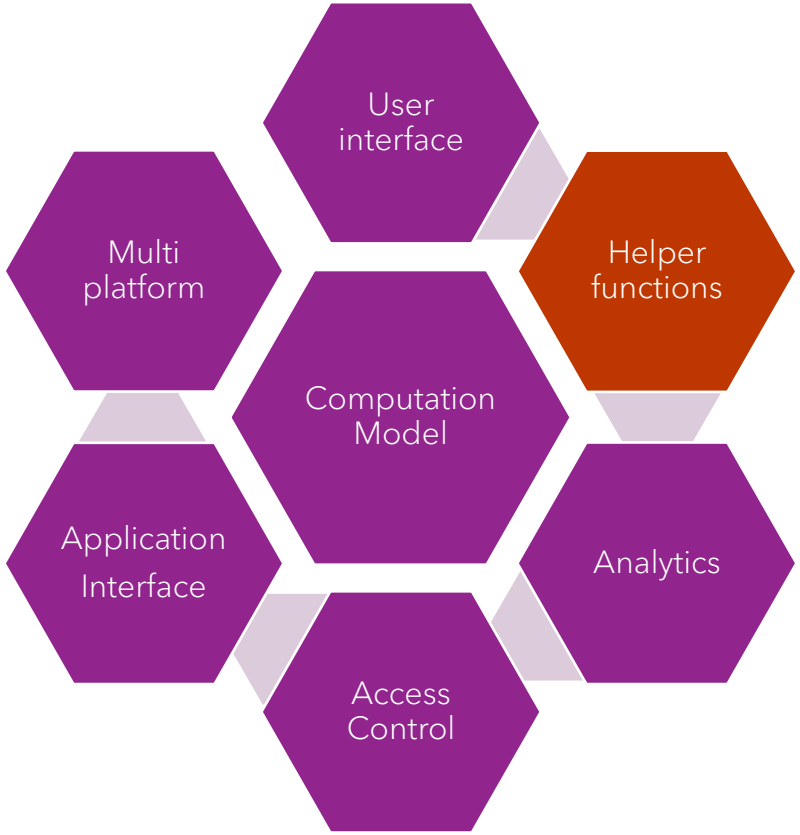


The heart of the application, the **computation model** can be written inhouse by the product development team.

Scientists or engineers with basic programming skills can deliver a minimum viable product in days. Intellectual property stays at home.

If performance is required, the underlying technology supports virtualization and parallelization.

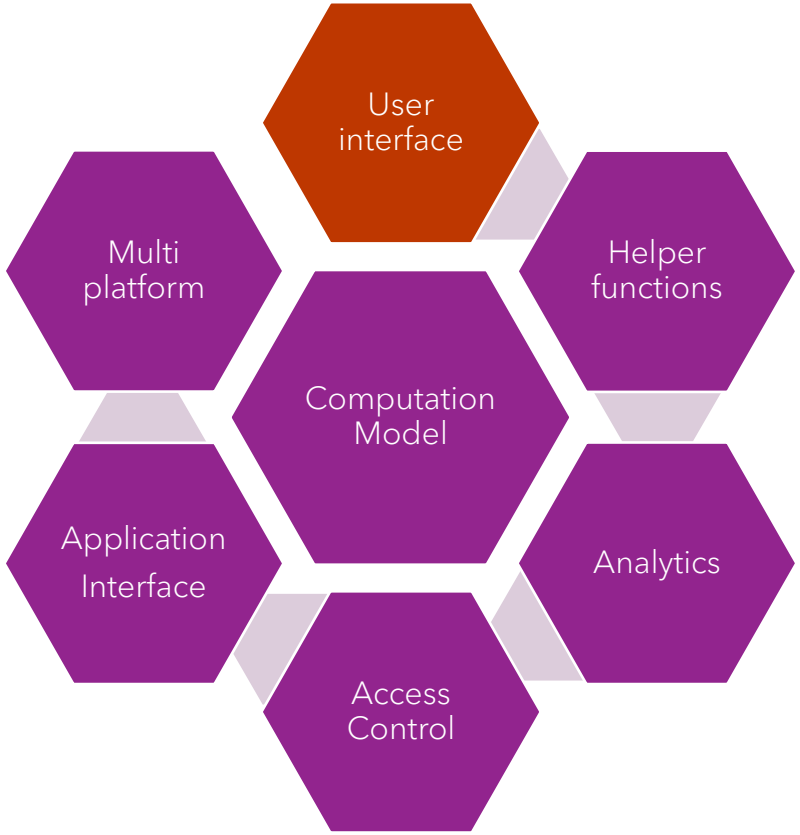
OVERVIEW - HELPERS



To save time of the computing model developers, several common tasks like **unit conversions, user input validation** and **numeric solvers** are executed by built in helper functions.

Helper functions can also detect abuse, prevent crashes and block problematic users, robots and brute force attacks.

OVERVIEW - GUI



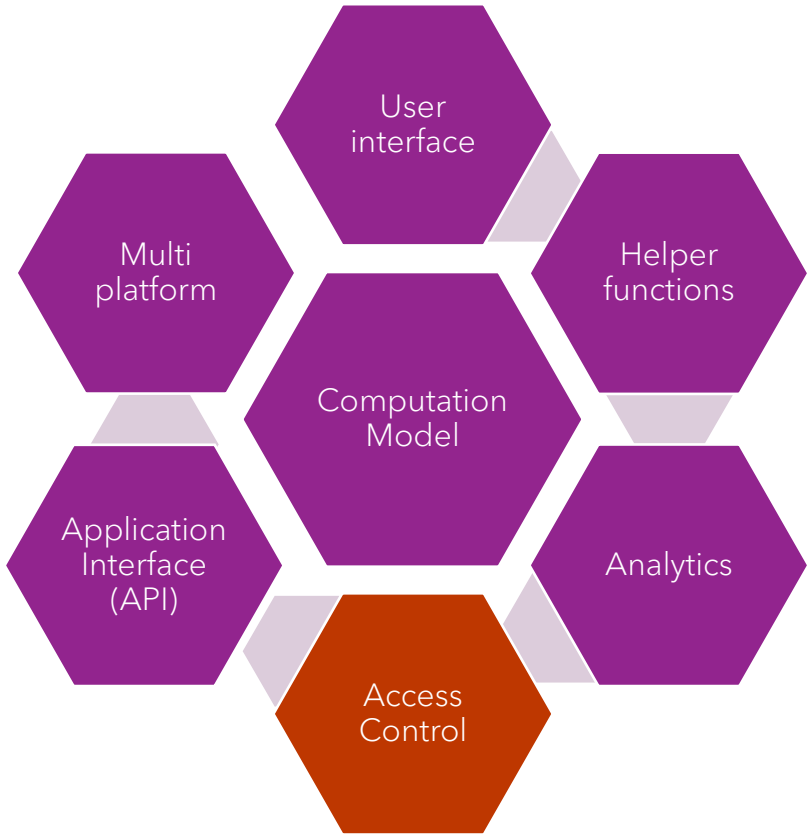
The **graphical user interface**, the nightmare of any application development team and the major cause of failures works out of the box in this platform.

The interface is simple but fully customizable and was designed to fit any screen size.

Output to colourful graphics? Also supported.

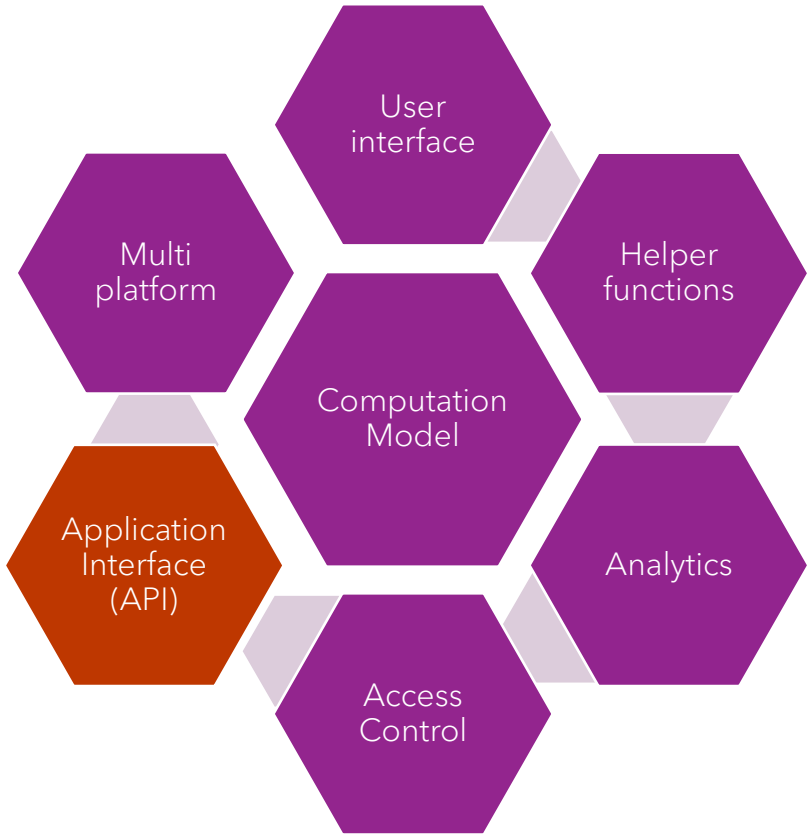
If Excel is the preferred user tool, why not use it? There is an **Add-In** for this.

OVERVIEW - ACL



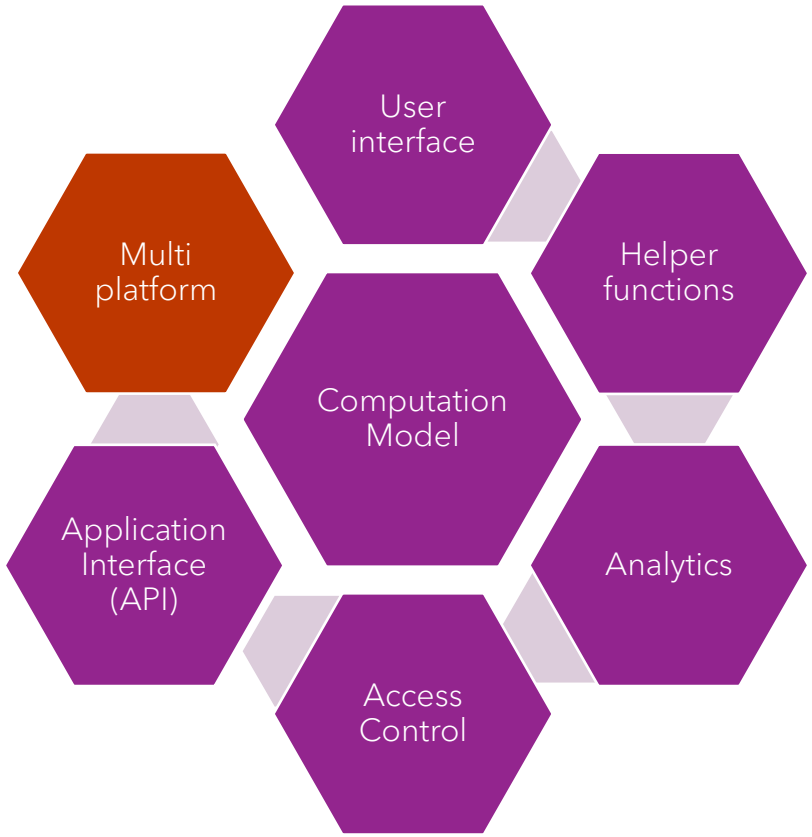
Access control is the function that allows the owner to limit who can access and use several features in the tool. Different customers can have different privileges.

OVERVIEW - API



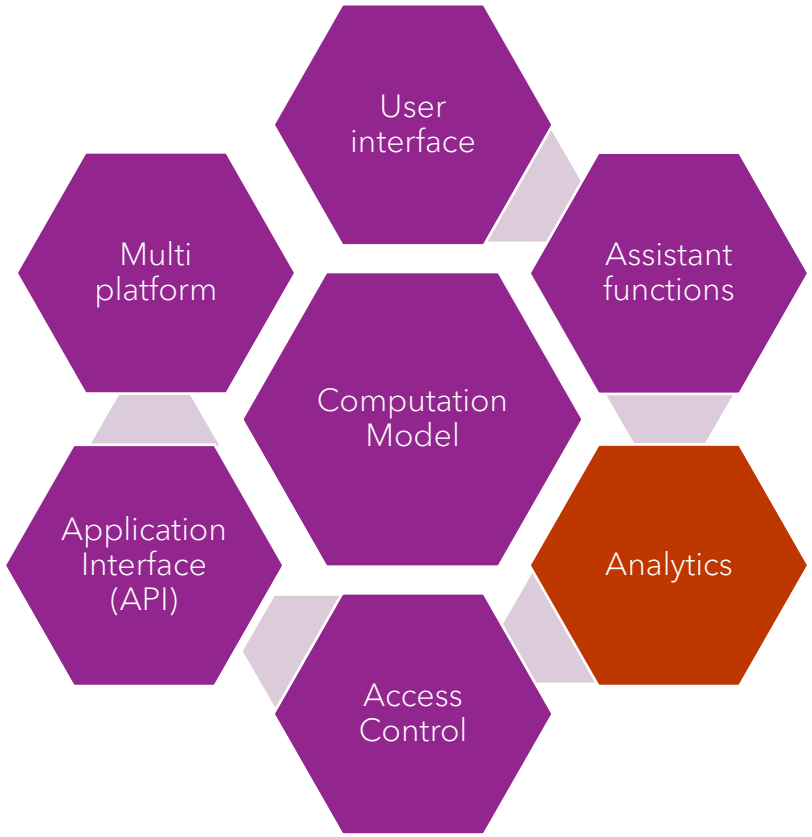
The **Applications Interface (API)** allows other applications to connect with the computation model. It can be an internal tool like a Matlab that provides data for the calculations or an external tool like a database or even a customer owned output system.

OVERVIEW - PLATFORMS



Android, iOS, PC, Mac, Raspberry PI? No problem. The application works everywhere without any need of customization.

OVERVIEW - ANALYTICS



Analytics can be provided by third party tools like Google, Microsoft or Salesforce. If you only need to know who is using the tool, the ACL module got you covered.

INTERESTED?

Contact Daniel B. Peig (contact@plutocalc.com)