



- Aerospace
- Conventional Power Generation
- Manufacturing
- Maritime
- Nuclear Power Generation
- Oil and Gas
- Rail and Transport

Residual Stress Experts

VEQTER is an engineering company providing excellence in the measurement, analysis and management of residual stresses. We are world leaders in our field and offer expertise on any aspect related to residual stresses in engineering components and structures.

Residual Stress Database

As a leading provider of residual stress measurement services worldwide we have accumulated a wealth of measurement data from all engineering industries. Like us, our clients have also generated copious amounts of data and a central system was needed to intelligently catalogue and manage that data for easy searching and comparison, now and in the future. VEQTER's Residual Stress Database has made that possible.

Developed with the support of AREVA, EDF Energy, Rolls-Royce and the US NRC, the Residual Stress Database has allowed their skilled engineers to quickly and easily find the data needed to support their critical decision making, whilst confident in using the most up-to-date version. As well as increasing productivity, the engineers gain confidence in the data used via comparison and benchmarking against other datasets, both private and published.

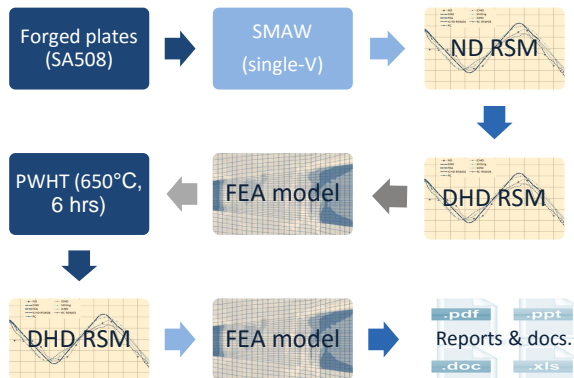
As well as a source of residual stress measurement and modelling information, the database also promotes creativity and productivity via its collaborative workspace where engineers, clients, consultants and suppliers can collectively organise and share project data.

To find out how VEQTER can help you please contact us on +44 (0) 117 992 7970 or using experts@veqter.co.uk

Challenges:

- Find **private** and **published data** easily and efficiently
- Centralised storage of the **latest version** of data and supporting information
- **Standardised data formats** ease storage and interpretation
- Easily **compare data** to identify trends and increase data confidence
- Central workspace to aid **sharing and collaboration**
- Reallocate resources from repeating lost work to **filling knowledge gaps**

Project Data:



My Projects:

- Focused access to your projects and other interesting projects you've identified, public or private
- Search and compare within your projects
- Project updates highlighted with team member and time stamp
- Your recent searches and comparisons listed for quick repetition

Search Projects:

- Search the database using filters or the search engine
- Filter by Component Shape, Joint Type, Manufacturing Process, Materials, Measurement Location and Measurement Technique
- Perform your "Favourite Searches" with a single action
- Show results from your Company data and/or published data

Compare Projects:

- Compare project results, figures and lifecycles
- Plot, manipulate and interrogate stress and strain results
- Print or copy graphs, or export the data for further analysis



Collaborate:

- Invite colleagues, consultants and suppliers into a project to facilitate collaboration and sharing
- Ensure version control with a single data and information store
- Set access permissions for each team member for confidentiality and to facilitate "blind-testing"

User interface

- Access to the database via the web, anywhere, anytime
- Focused access to your own data using "My Projects"
- View & manipulate data on-screen for analysis or export

Data management

- A single, consistent, reliable & up-to-date source of data
- Store measurement & modelling, stress & strain results
- Upload & store supporting information

Search

- Easily search the data using filters or the search engine
- Quickly identify gaps in knowledge for further research
- Prevent the repetition of work carried out previously

Data analysis

- Compare data quickly & easily
- Verify data by benchmarking against others
- Quickly identify data trends across projects & techniques

Collaborate

- Efficiently share data & information with colleagues
- Quick & easy access to publically available data
- Collaborate easily between companies & consortia

Secure

- Secure & personal login via username & password
- SSL encryption of data during transmission & storage
- Multiple data centres with automatic back-ups

Licensing: