

Imagine  
modelling  
hydrocarbon  
behaviour  
hourly



## An **Employee-Owned** Company

Accord Energy Solutions is an independent **employee-owned company** providing hydrocarbon accounting services and allocation expertise to the upstream oil and gas industry. As **experts** in their field, Accord consultants provide customers with the very best **advice** and **support** in the following areas:

- Allocation Engineering
- System Delivery
- Measurement
- Audit & Quality Assurance
- Training
- Operational Support



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Visit the **CHARM** website directly:  
**w:** [charm.accord-esl.com](http://charm.accord-esl.com)



# charm

A seamless interface  
between your  
hydrocarbon modelling  
and allocation systems



## Discover **CHARM**

**CHARM** (Compact Hydrocarbon Accounting Reference Model) is a **simple**, fast and **cost-effective** process simulation software package which models hydrocarbon behaviour specifically for allocation and accounting purposes.

Designed to be **easily integrated** into existing and new allocation systems, **CHARM** performs quick and **efficient calculations** to determine how hydrocarbons partition into liquids and gas as they pass through a process facility.

**CHARM** can also use a cloned-component approach to accurately track different fields' hydrocarbons through a combined system. It focuses purely on the calculations needed for hydrocarbon allocation. This means **speedy, robust** and **repeatable** results that are both **transparent** and **auditable**.

## A **Local Partnership** Approach

**CHARM** was developed with Robert Gordon University's Smart Data Technology Team via the Knowledge Transfer Partnership.

Together, Accord and RGU developed and tailored **CHARM** to meet an industry need for **cost-effective, usable** and **practical** hydrocarbon modelling software.

## Choose **CHARM**

**CHARM** offers the **same accuracy** as comprehensive process simulation packages but can be **readily integrated** with existing in-house software and third-party products.

**CHARM** is **simple** to use. End users can check, develop and maintain the process model without requiring specialist process simulation product knowledge.

**CHARM** mirrors process and operational changes.

**CHARM** can be **easily extended** to cover additional allocation methods and calculations.

**CHARM** is **future-proof** and follows industry standards. It has **easily-maintained** XML-based interfaces to ensure ongoing compatibility with existing and future hydrocarbon allocation systems: no forced upgrade cycles.