Energy Components (EC)
Solution Footprint
Product Overview
EC Production
- Data acquisition
- Well testing
- Allocation
- Deferment
- Inventory
- Forecasting

EC Transport
- Cargo transport
- Pipeline transport
- Entitlement
- Hydrocarbon accounting
- Ownership allocation

EC Sales
- Sales dispatching
- Price determination
- Sales allocation

EC Revenue
- Invoicing
- Revenue accounting
- Revenue recognition
- Auditability
Packages and Templates
In addition to the core software modules of Energy Components, the EC package concept exists. Such packages are particularly suitable for covering regulatory reporting requirements.
In EC terminology a Package is a software module that can be installed on top of the core EC products.

Packages related to EC are used where there is a need for:
- Functionality and customisation relevant to specific markets or types of operations (for example: Regulatory Reporting for USA, NAESB (North American Gas Pipelines), etc.)
- A more targeted configuration
- Release schedule independent of core EC products
- Compatibility with defined EC product releases

Benefits of using EC provided packages:
- Less time spent configuring EC for projects
- Ensure better standardization for given operations

EC packages support and maintenance:
- The packages are delivered and supported by the EC Product Management department
- EC will also use local change leaders if the package is closely linked with government regulations or a given standardization definition
All oil companies in the world need to report to the local authorities about their activities. This is called regulatory reporting.

**EC provides specific solutions for this purpose:**
- Standard solutions are available to all customers in relevant regions
- Delivered as EC Packages
- The configuration is done through EC screens, at “business” level
- EC is responsible for delivering upgrades and maintenance
- New releases will be made available on the basis of regulatory requirements
- Compatibility with new EC versions
- Backward compatibility
Business Coverage
The EC-modules are used in various combinations to provide hydrocarbon accounting solutions for a variety of different business operation types.

**Click on the different operation types to learn more.**

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<thead>
<tr>
<th>Field operator</th>
<th>EC Production</th>
<th>EC Transport</th>
<th>EC Sales</th>
<th>EC Revenue</th>
<th>EC NOV *</th>
<th>EC PSC *</th>
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<td>Upgrader operation</td>
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* EC NOV and EC PSC are available as dedicated EC licenses
History
Energy Components is Born

Organization formed in 1997
- Basis upon various client-specific solutions
- Clear that different oil and gas companies require same functionality
- Organization established to obtain rights to various client-specific solutions
- EC at this time is based on a fully traceable database system
  - Client-server forms using Oracle and PowerBuilder

Delivered to Clients in 1998
- 4 EC systems delivered for the Norwegian Continental Shelf
- Product usage continued to grow in the local market
Energy Components Goes International

Expansion begins in 2000

– Agreements with major international oil companies
– Further growth leads to global EC office hubs

Product Development Continues

– 2001: EC is a Web app;
  • Improved functionality in Transport, Sales, and Revenue business areas
– 2005: 200 staff engaged on EC projects
Energy Components Ranked Number One

IDC Award and Continued Focus
- 2007: Ranks as number one Hydrocarbon Accounting software by IDC
- Focus given to independent and national markets worldwide

Hundreds of EC Licenses Sold
- By September 2010
  - 350 licenses sold across 43 countries
Energy Components Now

Product Enhancements

- 2011: Begin to offer add-on packages
  - Government reporting in US, Canada, and Norway
- Supports non-operated ventures and profit-sharing agreements
- 2013: Continues to hold its place in the IDC survey

EC Footprint Now

- ~ 500 sold licenses in 50 countries
- Over 60 clients
  - Including all the super majors
- Product focus for future growth
  - Mobile platforms, off-line support, and hosting in the cloud
Thank you!