

Carbon Risk Management Service

The global transition to low-carbon society will raise the carbon risk of corporate management. ABeam Consulting provides total support on the carbon risk which has an influence on corporate management from developing strategy and planning to operation support.

Upcoming Market Change and Influence on Corporate Management

Market Change	Influence on Corporate Management (Carbon Risk)
<p>Evaluation scheme regarding corporate efforts on environment becomes common</p> <ul style="list-style-type: none"> Japan: Environmental brand research, etc. Overseas: Climate Counts, CERES, etc. 	<p>Corporate brand and image may deteriorate</p> <ul style="list-style-type: none"> Gap exists between corporate image and its environmental-friendly products/services The influence is critical especially in consumer industry
<p>Information disclosure request from business partners becomes strong</p> <ul style="list-style-type: none"> Request from major retailers and IT manufacturers Major trend is grasping CO₂ emission from procurement 	<p>Sales revenue is possible to be declined by low evaluation by business partners</p> <ul style="list-style-type: none"> GHG emission data will be required more often by business partners Need to calculate GHG emission through supply chain
<p>The scope and request of information disclosure from investors are growing</p> <ul style="list-style-type: none"> Carbon Disclosure Project (CDP) is expanding GHG Protocol Scope 3 Calculation guideline is published 	<p>Corporate evaluation by investors may degrade</p> <ul style="list-style-type: none"> Comparative assessment is done based on information disclosure GHG emission should be calculated based on GHG Protocol
<p>Global regulation becomes tight</p> <ul style="list-style-type: none"> Japan: Energy Saving Law, Global Warming Law, Tokyo Metropolitan Law, etc. Overseas: UK (CRC), Australia (NGERS, EEO), China (Energy-conservation Law), etc. 	<p>Cost of dealing with regulation may increase</p> <ul style="list-style-type: none"> Workload may increase to handle various reporting for different countries Credit procurement is required to accomplish reducing obligation
<p>More energy saving is required by energy price hike</p> <ul style="list-style-type: none"> Electric power price will increase by renewable energy buyback program Carbon tax is implemented 	<p>Corporate energy cost may increase</p> <ul style="list-style-type: none"> Need to decrease energy usage and energy unit price Measures are required not only scope 1 and 2 but also scope 3

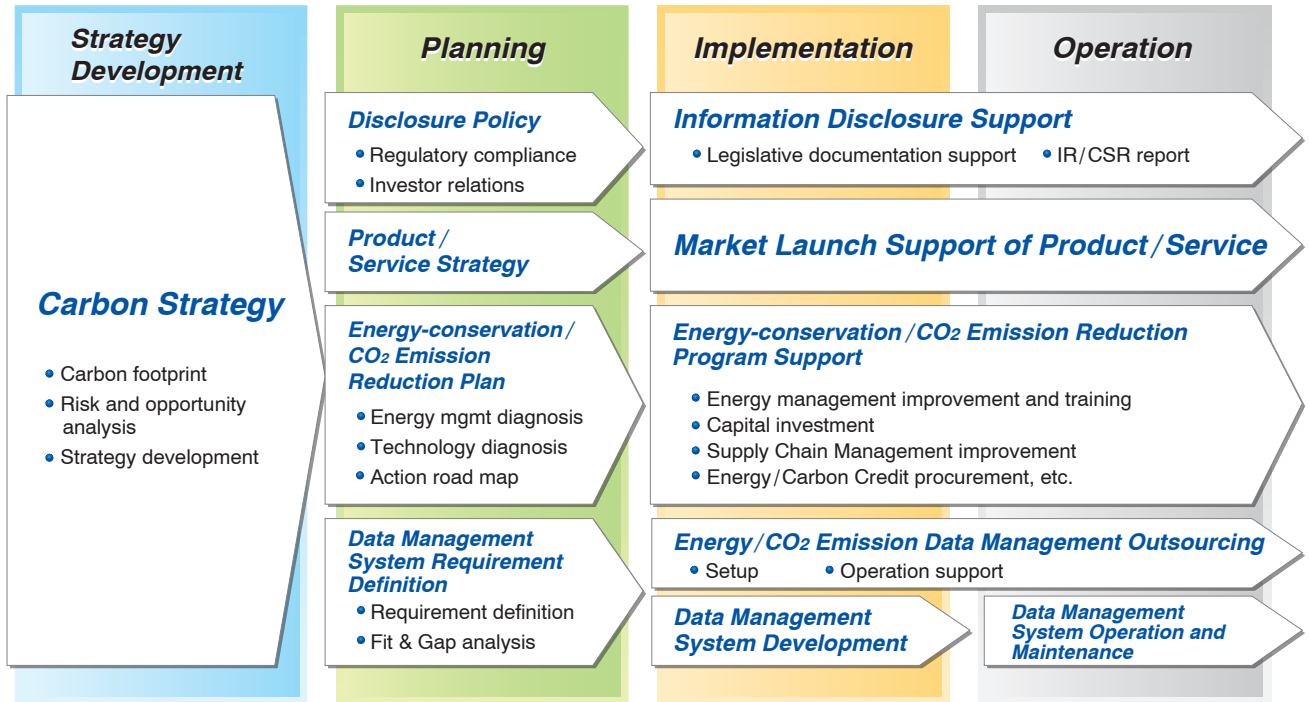
Main Points of Carbon Risk Management

The following 4 points are important for upcoming carbon risk management.

<p>1 Company-wide energy-conservation and CO₂ emission reduction scheme</p> <ul style="list-style-type: none"> The scope is not limited only to the company itself but includes entire supply chain Establish management organization to reduce CO₂ emission and cost at the same time 	<p>2 Contribution to environmental load reduction through core business</p> <ul style="list-style-type: none"> Grasp the carbon footprint of own products Contribute to CO₂ emission reduction through own products and services
<p>3 Highly-transparent information disclosure to stakeholders</p> <ul style="list-style-type: none"> Calculate CO₂ emission according to GHG Protocol and each country's regulation Prompt action is implemented to deal with various requirements from investors and business partners 	<p>4 Efficient data management throughout company</p> <ul style="list-style-type: none"> Global data collection with multi-language, multi-currency and various unit prices Reporting functionality is flexible to set boundaries and emission factors

Overview of Carbon Risk Management Service

ABeam Consulting provides total support on the carbon risk management from strategy development to specific actions.



Our Advantages

Point 1 Global Support

- Information gathering scheme is established with global alliance partners to research on global trend of regulation and energy market
- Support is available on energy procurement, energy-conservation and CO₂ emission reduction considering each country's market situation

Point 2 CO₂ emission reduction support by management improvement approach

- CO₂ emission reduction is supported not only technically but also by improving corporate management

Scope
1,2

Energy management improvement approach by using diagnostic tool (One2Five®Energy) to quantitatively evaluate energy management level of a company and sites with 5-star scale (evaluation has been implemented to more than 2,000 sites around the world)

- Sustainable improvement is possible
- Company-wide program involving top management

one2five

Scope
3

Reducing CO₂ emission of transportation, which is difficult to reduce by one company's effort, is supported by Supply Chain Management improvement approach

- Distribution network reform: Reduce distance of transportation and distribution by consolidating, eliminating and relocating sites
- Demand and supply planning reform: Reduce inventory by improving accuracy of demand and supply plan, reduce times of transportation, improve loading ratio

Point 3 Data collection and reporting support considering GHG Protocol

- Total support is provided to corporate data management from gathering invoices from energy/utility companies, data entry, data management, reporting, analysis
- Dispersed energy usage, cost and CO₂ emission data will be managed in single platform of ASP tool provided by EnTechUSB (SBOL:Service Bureau OnLine®) (currently in operation in 92 countries, for 150 companies, with 15 languages)

