



# Sustainable Fleet Management

Optimizing Vehicle Fleet Performance

## Fleet managers face tough challenges.

Rising fuel costs, alternative technologies, and new regulations make it increasingly difficult to strike the balance between cost effectiveness, performance, and reducing environmental impacts. On top of that most fleets are comprised of different vehicle types with different purposes and operational requirements. At the same time, vehicle fleets are a highly visible element of a corporation's public image.

Sustainserv offers a comprehensive and strategic approach to sustainable fleet management, including a state-of-the-art fleet strategy and scenario modeling tool, as well as the global experience to help you achieve your fleet management goals. Our suite of tools and services will guide you toward greater energy efficiency, lower environmental impacts, and reduced operating costs, while enhancing the public image projected by your vehicle fleet.

## Sustainable Fleet Management

Our tools allow you to:

- Model the environmental and economic impacts of your vehicle fleets
- Understand the impact of introducing new engine and drivetrain technologies
- Develop a realistic strategy and roadmap for a more sustainable vehicle fleet

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## COLLECT

- > Collect detailed fleet data including mileage, fuel consumption, vehicle type and size, fuel type, lease period, etc.

## ANALYZE

- > Analyze vehicle driving profiles (e.g., short vs. long distance)
- > Analyze usage (e.g., sales vs. technicians)
- > Set real-world restrictions for each vehicle

## OPTIMIZE

- > Define different scenarios (e.g., business as usual vs. technology shift to hybrids and downsizing)
- > Calculate CO<sub>2</sub> emissions and total cost of ownership for each scenario

Example result:



## Sustainable Fleet Strategies and Tools from Sustainserv

### What is involved?

We systematically collect a variety of vehicle data about your fleet including fuel consumption, mileage, vehicle make and model, engine size, fuel type, as well as any restrictions that may apply. Based on this information, we then develop a number of different scenarios and calculate both carbon emissions and total cost of ownership. Each scenario is described and rated against a reference baseline to determine the optimal strategy for your fleet.

### What is the maximum fleet size and which vehicle types are covered?

There is no limit to the fleet size. The tool covers all passenger cars and light-duty vehicles up to 3,5 tons gross vehicle weight.

### Who we are

Sustainserv is a 17-year old consultancy based in Boston and Zurich focused on strategy consulting, sustainability data management, communications, and program management.

We develop clear and customized solutions for sustainable corporate management that are both practical and performance-oriented.

Our team has a depth of expertise, analytical capability, and dedication to quality, which drives success in our clients' projects.

Our high level of service is based upon trust, uncompromising quality, and attention to the needs of our customers. Nothing demonstrates this better than our high client retention rate and our growing client base.

## Best Practice

### Example 1

Fleet of 115 vehicles (100 passenger cars/15 light-duty vehicles). Main use is for technicians to service products at customer premises. High annual mileage, majority of engines run on gasoline. Expected company growth of 2% per year.

#### Key results for best scenario

26% reduction of absolute CO<sub>2</sub> emissions by 2020 despite company growth. Expected 3.4 mCHF cumulative savings in total cost of ownership compared to business as usual.

### Example 2

Fleet of 330 vehicles (286 passenger cars/44 light-duty vehicles). Main use is for technicians and sales. High annual mileage, majority of engines run on diesel. Strong regulatory incentives for fuel efficient vehicles already in place. Expected company growth of 2% per year.

#### Key results for best scenario

18% improvement of CO<sub>2</sub> efficiency by 2020, no absolute emissions increase despite company growth. Expected 1.2 mEUR cumulative savings in total cost of ownership compared to business as usual.

### Example 3

Fleet of 260 vehicles (170 passenger cars/90 light-duty vehicles). Operational requirements put tight constraints on vehicle size and engine power. No growth expected since fleet is operated by municipality.

#### Key results for best scenario

20% reduction of absolute CO<sub>2</sub> emissions. Expected 0.8 mCHF cumulative savings in total cost of ownership compared to business as usual.