

## Economic Impact Assessment and Industrial Analysis Services



Doyletech Corporation utilizes its own proprietary models as part of its economic impact, industrial analysis, economic development, and management consulting services.

Our primary computer model, **DT EconWin**, has been developed in-house, from the ground up. It is based on advanced econometric modeling techniques using the most recent Input-Output Tables from Statistics Canada.

It is more than an economic impact model; it can analyze entire industries, or a combination of industries (that is, supply-chains). It can even extract an existing industry (or industries) to identify what the impacts would be – upstream and downstream.

### Economic Impact Assessment

The following (standard) economic impact measures are developed by **DT EconWin**:

- **GROSS OUTPUT** (Direct / Indirect / Induced / Total).
- **CONTRIBUTION TO GDP** as Measured by Value-Add (Direct / Indirect / Induced / Total).
- **LABOUR INCOME** (Direct / Indirect / Induced / Total).
- **JOBS MAINTAINED OR CREATED** as Measured by Full-Time Equivalents (Direct / Indirect / Induced / Total).
- **GROSS OPERATING SURPLUS** (Direct / Indirect / Induced / Total).
- **FEDERAL GOVERNMENT TAX RECEIPTS** (Direct / Indirect / Induced / Total).
- **PROVINCIAL GOVERNMENT TAX RECEIPTS** (Direct / Indirect / Induced / Total).
- **MUNICIPAL GOVERNMENT TAX RECEIPTS** (Direct / Indirect / Induced / Total).

For more information, visit [https://doyletechcorp.com/?page\\_id=11255](https://doyletechcorp.com/?page_id=11255).

### Industrial and Supply-Chain Assessment

Besides economic impact, **DT EconWin** provides a suite of analytical tools for industrial and productivity assessment. Such functionalities include:

- **KEY SECTOR ANALYSIS.** We have developed best practices for the identification of the most important (“keystone”) industries/sectors in a specific jurisdiction.
- **INSERTION METHOD.** We call this the Hypothetical Insertion Method (HIM). It is our proprietary technique where we identify the impact of introducing a *totally-new* industry into a region.
- **BACKWARD AND FORWARD LINKAGES.** This provides a supply-chain analysis on each of the 186 industries in each of Canada’s provinces (and for Canada overall). This illuminates how your industry impacts on all others.
- **SHIFT-SHARE ANALYSIS.** This calculates what are the sources of economic growth for each industry in the jurisdiction. It includes both push and pull analyzes.
- **SALES PER EMPLOYEE ANALYSIS.** This calculates sales per employee by major industry or sub-sector, or for the cluster/jurisdiction overall.
- **PRODUCTIVITY ANALYSIS.** Various different measures of firm and labour productivity can be developed.
- **REGIONAL AND SUB-REGIONAL ANALYSIS.** Several measures can be developed at both the regional and sub-regional levels allowing for comparative analysis.