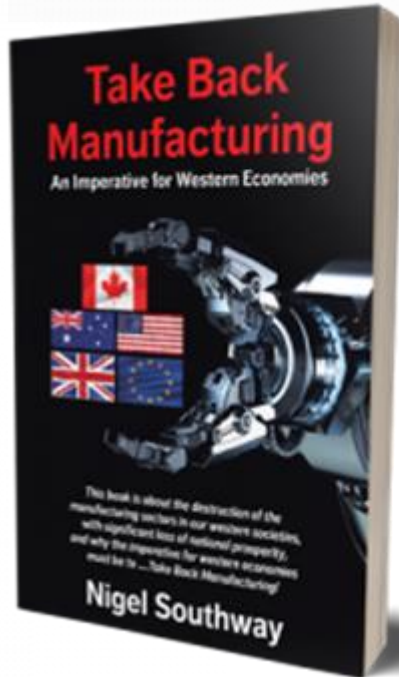




Take Back Manufacturing

More about the book.....



Take Back Manufacturing is my 2nd book ...my first book was a business improvement book about the concept of LEAN Manufacturing and Six Sigma, and how to implement it, and was published in 1992, and was an early book on the subject before it was even called LEAN.

But...The TBM book is very much an advocacy book and is far more controversial.

Past present and future...

This TBM book is about how in less than one lifetime we have experienced the destruction of the manufacturing sectors in our western societies and the significant loss of national productivity and explains why the imperative for western economies must be to Take Back Manufacturing if they want any future level of national prosperity.

The globalized manufacturing approach with efficient supply chains supported by liberalized free trade agreements has been the business norm in the last four decades and has been the prime reason for the “hollowing out” of our Western industrial base.

But now many experts predict yet another significant change regarding global and national economic conditions that will, for many reasons, provide an opportunity for our western economies to move back to more localized trade blocs, and the reshoring of their manufacturing.

Some western nations are not considered a logical industrial reshoring destination, and experts predict further decline in their manufacturing, but this book provides a perspective and outlook that suggests that with the correct political will and focus most western nations can recover their manufacturing industries and improve future prosperity.

In the book I don't pull any punches, and I am very critical of our politics and other western institutions that appear to have forgotten about their citizens. I get into the nitty gritty facts on the shortfalls of our politics, the economics, our educational systems, the science of manufacturing, the impact of Climate change actions, and the significant culture change that will be needed to take back manufacturing. I also provide a clear recovery plan and explain that it will demand a strong political will that has so far been sadly lacking.

History of TBM

The concept of TBM started in 2011... I had returned after five years in China, moving product there, and was horrified with how I had assisted in hollowing out our local industries.

We discussed the problems with manufacturing's decline at the Society of Manufacturing Engineer's (SME) Toronto chapter and in a moment of jest I said let's take it back.... and the concept took off from there, and it became an advocacy group for the recovery of our manufacturing sectors.

The TBM advocacy was well supported by many other associations and societies, and we introduced TBM at trade shows and delivered many presentations and many newspaper and magazine articles over the next 5 years, including some presentations to local and federal governments, and we sat on several planning committees. But by about 2016 it was clear that the current Canadian government, especially the federal government, had zero political will to undertake a manufacturing renaissance, and they even struggled with supporting the oil industry and getting a proper deal in the USMCA.

A glimmer of hope.

The glimmer of hope was the TRUMP presidency and his “localize trade” policies. Also, the more recent geopolitical situation with China and Russia and the Covid supply chain disruption has sensitized everyone to what we were advocating with TBM, which is that globalization is not working for the western world. For many it's now clear we need a total reshoring of our manufacturing so we can get back our prosperity and our economic security.

This has made NOW the correct time to release the TBM book ... I have had it in the works since 2014 and I have been busy with other things but the delay has allowed me to add and bring it up to date... so it's current.

What's next?

The next cycle of political elections both in the US and Canada will define the direction and level of opportunity for TBM in North America, but it's clear some action is being taken in the US toward reshoring and is leaving Canada far behind due to a significant lack of our own political will and leadership to stand up to the many challenges to support reshoring, so I hope all our future governments and business leadership reads this book!

Why TBM?

The TBM book explains why we must Take Back Manufacturing. It takes the reader through the history of manufacturing and the events that defined its decline. We explain the slow death of North American manufacturing and what happened to most of western manufacturing and how economics changed to make it happen. It explains in detail how much we have lost and how bad things are now with a lot of facts, graphs, and diagrams.

The book explains why global free trade and global supply chains just don't work, and are not sustainable, and why we need to localize a significant share of our manufacturing within localized trade blocs such as the USMCA. Free trade and globalization have been very poor at generating real wealth, but they have been excellent at wealth transfer..... Global trade has increased 8 times since 1980 but global wealth measured with GDP has only increased 3 times and has flatlined or worse in the western nations.

I explain why long supply chains are the antithesis of LEAN business practices and are not sustainable.

When supply chain total costs are reviewed it's clear that we have reached the tipping point for reshoring to local supply chains across most industrial products.

But TBM will be a long and significant journey that will require a national level effort and political focus as we have not only lost manufacturing capacity, but also much of the infrastructure to support it. Also, we have lost a significant part of the new product development capability that was also offshored, so we will need to also reshore or rebuild that capability.

The future pathway

The book defines and explains in detail three parallel initiatives to undertake TBM...

1/ Our North American Governments must act in coalition to setup the critical positioning of trade and industrial policies, as well as changes in the approach for immigration, our educational system, industry 4.0, and climate change management, and how we need to focus much more on total national sustainability in all forms.

2/ The educational organizations need to integrate their efforts much more with industry with far more coordination by government to achieve an Integrated Industrial Learning System.

3/ Our Industries must accelerate the use of Productivity improvement concepts such as LEAN and Six Sigma and embrace new technologies such as INDUSTRY 4.0 as well as understand and explore the reshoring options much more.

Videos on TBM.....

Book Intro (1:50 min) : https://www.youtube.com/watch?v=plw-7T_yayc

Overview of TBM book (3 min) : <https://youtu.be/KI72TcxUw7A>

Presentation on TBM (30 mins) : <https://youtu.be/mIMZqWYOHWQ>

My author's website at www.nigelsouthwayauthor.com provides more information and videos on the TBM book and the advocacy activities, and I support an open Blog that I will use to get feedback and spread the word.

I hope you enjoy the TBM book....

Nigel Southway

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More about the author....

Nigel Southway C.Eng IEEE . MSc BIM . SME. Author.

Nigel Southway is based in Toronto Canada and is an independent business consultant.

Nigel has more than 50 years broad business and industry experience and is a product of the British Engineering Apprenticeship Award program with a British degree in Engineering and a master's degree in management studies from Bristol England.

He has a proven track record as a Manufacturing Engineer, Operating Manager, Consultant, Advisor, Educator. Facilitator, Coach, Change Agent, Team Leader and Project Manager of productivity, continuous improvement and technology transfer.

Since 2002 has been the Owner of NEXUS CONSULTING SERVICE and consults, educates and coaches worldwide on Business Productivity Improvement, LEAN business practices, Advanced Manufacturing Engineering, Future Supply Chain Management, Industry 4.0, National Sustainability, New Product Introduction Systems, Global technology transfer projects and joint ventures with assignments in Mexico, China, Russia, Ukraine, Moldova, Turkey, and of course USA and CANADA.

He has gained experience across a wide range of business sectors and industries and helps clients develop a strategy and a vision to attack waste, capture productivity improvements, increase profits, and become more competitive in the global market.

After a career as an Engineering manager and Six Sigma change agent at Motorola through the 1980's he then joined the CTM INC consulting team and through the 1990s sphere-headed the education and facilitation of the latest Continuous Improvement principals to industry...

In 1992 he co-authored the textbook **CYCLE TIME MANAGEMENT** *the fast track to time-based productivity improvement* on the concept and implementation of Business Cycle Time reduction, which

became one of the advanced thought-wares that later developed into the more commercial LEAN thinking concepts and application.

He has been an architect of change for several major manufacturing companies on organizational change and improvement. LEAN, Six Sigma, ERP, DFM, NPI, Manufacturing Technology Transfer, Plant re-organization / relocation and recently the implementation of Additive Technologies and the introduction of Industry 4.0 to business.

In the late 1990s he served as the country manager for Mexican manufacturing facilities and in the early to mid 2000s he was located in China and acted as a joint venture coordinator to relocate manufacturing to China.

He has recently assisted the European Bank of Reconstruction and Development (EBRD) in developing industries in the new Euro Eastern block jurisdictions.

He supports part time lecturing at local colleges on Advanced Manufacturing and continues to write and deliver articles and positional papers on LEAN thinking and business improvement and the future of manufacturing.

Nigel has been a member of the Society of Manufacturing Engineers for many decades and was SME Toronto Chair in 2012 & 2013 and holds the SME Presidents Award.

Since 2012 he has been the leading advocate for the Take Back Manufacturing Forum and the North American Reshoring initiative in Canada and he recently published the book: **Take Back Manufacturing**, which is an advocacy for the restoration of the manufacturing sectors in the western economies.

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