

Practical Financial Fundamentals and Project Investment Decision Making for Engineers and Technicians

Presented by Branden Dekenah

Join Branden Dekenah, EIT's Consulting Business & Finance Specialist, for a comprehensive one-day face-to-face workshop followed by 2 x 1.5-hour live webinars (please note these will be recorded) on mastering the practical skills and knowledge in financial fundamentals and project investment decision making.



What You Will Gain:

- › Understand the financial workings of your company.
- › Ability to read and explain simple financial statements.
- › Understand economic evaluation techniques in project proposals.
- › Calculate the financial viability of expenditure proposals.
- › Optimize the use of scarce capital on your projects.
- › Understand the essentials of discounting cash flows for a project and calculate NPV as well as IRR.
- › Manage your company assets more effectively and know when to replace equipment.
- › Effectively execute sensitivity studies taking into account risk and uncertainty.
- › Rank alternative investment proposals using discounted cash flow techniques.
- › Gain the knowledge of the pros and cons of the different economic evaluation methods.
- › Prepare project expenditure proposals that can win management approval.
- › Make effective decisions under capital rationing situations.
- › Communicate effectively with your financial manager peers.
- › Manage your personal wealth and finances more effectively.

Workshop Overview:

In today's global climate, financial decisions are coming under increasing scrutiny. It is essential that you have enough information to make effective choices and to drive your engineering projects forward with sound justifications. Second to this is ensuring financial meetings and discussions are communicated in a language that non-finance professionals can understand.

Finance courses are among the most frequently requested by engineers and technical professionals.

Reasons include rapidly advancing technology, increasing project complexity, and competitive pressures. Such factors demand you to do the best possible cost estimation and economic evaluation of your engineering projects, products and services.

This workshop commences with the basics of finance. Basic accounting and finance terms are explained in simple English with an emphasis on the engineering and technology world. Cash flow concepts are discussed and the issue of making appropriate investment decisions is examined, using such techniques as NPV and IRR. Finally, capital budgeting and risk are discussed in an easy-to-understand manner.

This workshop has been designed to provide you with the fundamentals of financial management from a practical business perspective, with engineers and technical professionals in mind.

Who Should Attend:

This workshop is open to anyone looking to increase their knowledge and understanding of finance, ideally from an engineer's perspective, yet individuals in other areas will also greatly benefit from the content.

About the Presenter:

Branden Dekenah, EIT's Consulting Business & Finance Specialist

Branden is an entrepreneur, business leader, consultant and mentor working in technology & innovation, business strategy and digital transformation, and has consulted internationally on management, business, technology strategy and enterprise architecture.

Branden has experience in developing and exiting technology businesses, having co-founded Conducive in 2006 (which was sold to Empired (ASX:EPD), now Cap Gemini, in 2012), and Interfuzo in 2018. Between founding and managing business he has held leadership positions in multinational finance and technology companies.



Having started his technology journey in 1987 he had the opportunity to work in diverse industries including ICT, mass transportation, industrial automation, healthcare and financial services, and consulted to many others.

Branden is currently the Managing Director of Sangoma Consulting, a Perth based management consultancy and is a non-executive director on several Perth based businesses.

Branden's current research and business interests include technology & innovation, future studies, digital transformation, strategy and strategic options analysis.

Branden holds an Honours Degree in Commerce, Diplomas in Engineering and Computer Science, and an MBA from Curtin University, Perth. Branden is a Graduate Member of the Australian Institute of Company Directors and a Fellow of the Australian Institute of Management.

<https://www.linkedin.com/in/brandendekenah/>



Workshop Details:

Wednesday 14th August:

(1-day face-to-face workshop)

Location: 6 Thelma Street, West Perth

Time: 9am - 4pm

Cost Estimation

- › Direct and indirect costs
- › Fixed and variable costs
- › Breakeven analysis
- › Practical Exercise

Introduction: Financial statements

- › Recording of financial information
- › Assets, equity and liabilities
- › The balance sheet
- › The profit and loss statement
- › The cash flow statement
- › Ratio analysis
- › Liquidity ratios
- › Leverage ratios
- › Profitability ratios
- › Investment ratios
- › Cash flow versus profit
- › du Pont analysis

Monday 19th August:

(1.5hr online webinar)

Location: Live and online

(please note that these webinars will be recorded, and a copy of the recording will be sent to you)

Time: 5pm – 6.30pm

Ranking of Investment Proposals

- › Undiscounted and discounted payback method
- › NPV method
- › NFV method
- › Benefit/cost ratio and NPV ratio methods
- › Incremental NPV method
- › Incremental ROI method

Risk and Uncertainty

- › Sensitivity analysis
- › Monte Carlo analysis

Time Value of Money

- › Compounding versus discounting
- › Discount rate, hurdle rate and cost of capital
- › Present and future values of money
- › Effect of compounding period
- › Effective and nominal interest rates
- › Compounding and discounting multiple cash flows
- › Net present value versus internal rate of return
- › Annuities
- › Compounding and discounting tables
- › The use of spreadsheets

Effects of Inflation

- › Inflation and NPV
- › Personal finances

Tuesday 20th August:

(1.5hr online webinar)

Location: Live and online

(please note that these webinars will be recorded, and a copy of the recording will be sent to you)

Time: 5pm – 6.30pm

Cash Flow Concepts

- › Cash flow models for manufacturing
- › Depreciation methods:
 - › Straight line
 - › Declining balance
 - › Years digits
- › Cash flow forecasts

Capital Management

- › Capital rationing

Standard price for the full event:

AUD\$750 +GST

Don't miss this opportunity to enhance your skills and knowledge in financial fundamentals and project investment decision making. Register now to secure your spot! Limited places available.