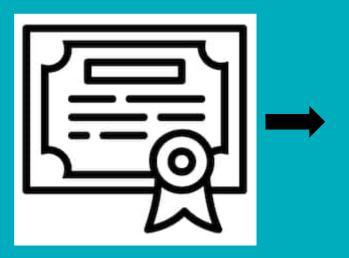


Where have I been?





















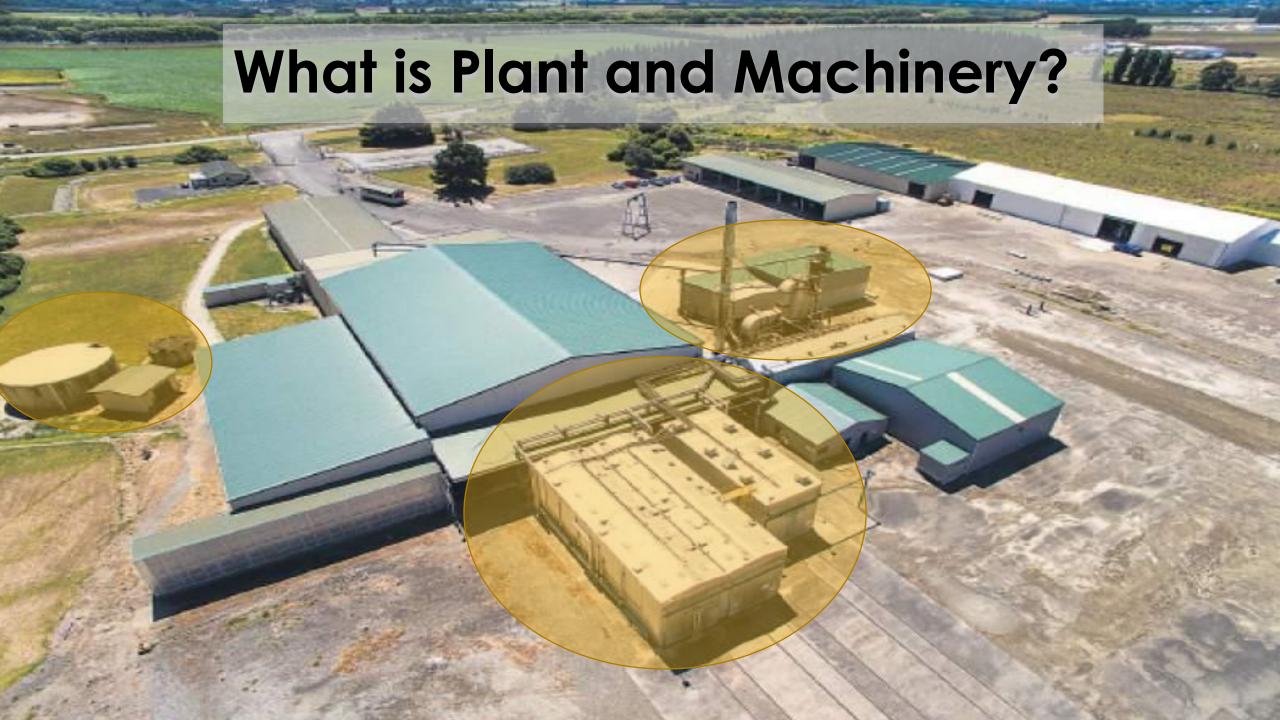






What is Plant and Machinery?





IV\$300 What is plant and equipment?

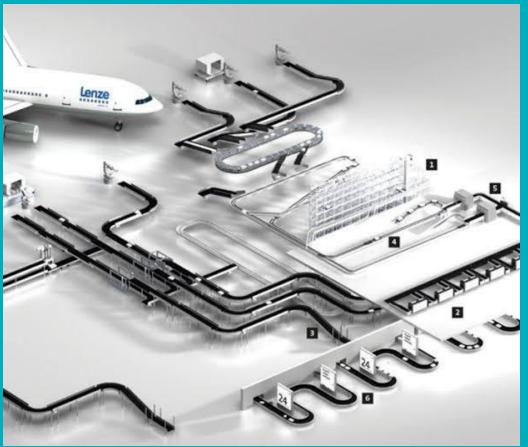
IVS 20.1

 Items of plant and equipment (which may sometimes be categorised as a type of personal property) are tangible assets that are usually held by an entity for use in the manufacturing/production or supply of goods or services, for rental by others or for administrative purposes and that are expected to be used over a period of time.

























Considerations for valuation - Standards





IVS 300 Plant and Equipment

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- type of personal property) are tangible assets that are usually held by an entity for use in the manufacturing/production or supply of goods or services, for rental by others or for administrative purposes and that are expected to be used over a period of time.
- 20.2. For lease of machinery and equipment, the right to use an item of machinery and equipment (such as a right arising from a lease) would also follow the guidance of this standard. It must also be noted that the "right to use" an asset could have a different life span than the service life (that takes into consideration of both preventive and predictive maintenance) of the underlying machinery and equipment itself and, in such circumstances, the service life span must be stated.
- 20.3. Assets for which the highest and best use is "in use" as part of a group of assets must be valued using consistent assumptions. Unless the assets belonging to the sub-systems may reasonably be separated independently from its main system, then the sub-systems may be valued separately, having consistent assumptions within the sub-systems. This will also cascade down to sub-sub-systems and so on.
- 20.4. Intangible assets fall outside the classification of plant and equipment assets. However, an intangible asset may have an impact on the value of plant and equipment assets. For example, the value of patterns and dies is often inextricably linked to associated intellectual property rights. Operating software, technical data, production records and patents are further examples of intangible assets that can have an impact on the value of plant and equipment assets, depending on whether or not they are included in the

20.5 Considerations

- (a) Asset related
- (b) Environment related
- (c)Economic related



20(a) Asset related

- Asset technical specification
- Remaining life
- Asset condition
- Obsolescence
 - Physical
 - Functional
 - Economical
- Location
- Leasing alternatives

- Effect of complementary asset i.e. attached to building/other machine
- Other costs (Contracts)

20(b) Environment related

- Location to (finite) raw material and market of product
- Impact of environmental or legislation that restricts utility
- Impact of radioactive substances or toxic waste





20(c) Economic-related

- Potential profitability of asset
- Demand for product manufactured
- License to operate certain machines in certain countries may be restricted
- Potential other use of asset (highest and best use)











Valuation Approaches and Methods

- Market Approach
- Income Approach
- Cost Approach

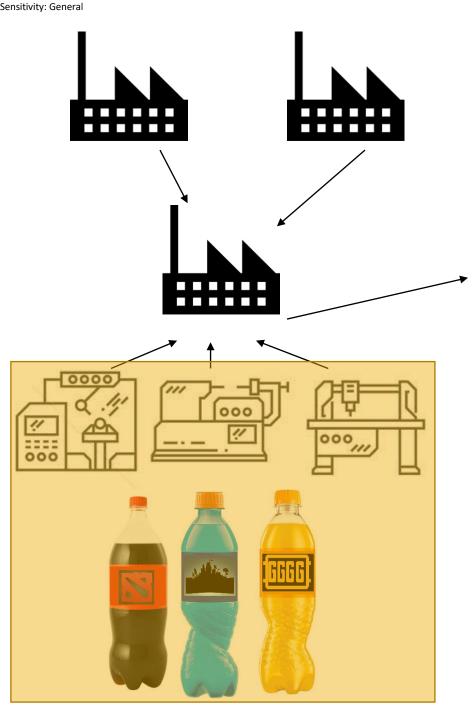


50.1 Market Approach

 For classes of plant and equipment that are homogenous, eg, motor vehicles and certain types of office equipment or industrial machinery, the market approach is commonly used as there may be sufficient data of recent sales of similar assets.

60.1 Income Approach

 The income approach to the valuation of plant and equipment can be used where specific cash flows can be identified for the asset or a group of complementary assets, eg, where a group of assets forming a process plant is operating to produce a marketable product.









Marketing





Logistics



Customers

70.1 Cost Approach

• The replacement cost is the cost of obtaining an alternative asset of equivalent utility; this can either be a modern equivalent providing the same functionality or the cost of reproducing an exact replica of the subject asset. After concluding on a replacement cost, the value should be adjusted to reflect the impact on value of physical, functional, technological and economic obsolescence on value.

Seatainer Terminals Ltd v The Valuer General (N.S.W) 1974

Specialised assets

- Can be rare and not often constructed
- Consider using indexation of the commodity and currency to assess current cost
- Special consideration should be observe for sources of indices to use

Deficiencies in indices:

- Based on historical data
- Composed of a weighted sample
- Obsolete methods and components
- Human error (evidence in revisions of stats indices)
- Delay in publications (may require forecasting)

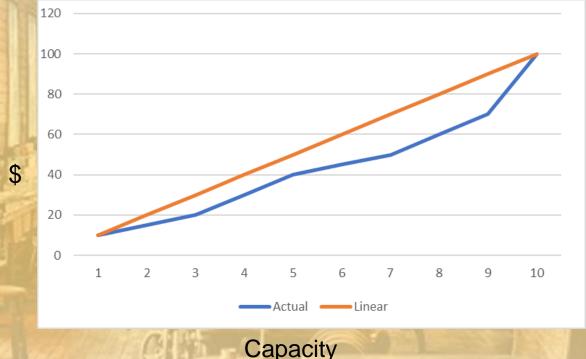
Does not consider

- Changing design criteria
- Site and weather conditions
- Regional price variations
- Contract conditions
- Excluded components

70.3 Cost-to-Capacity Method

 The replacement cost of an asset with an actual or required capacity can be determined by reference to the cost of a similar asset with a different capacity.

Not always linear correlation

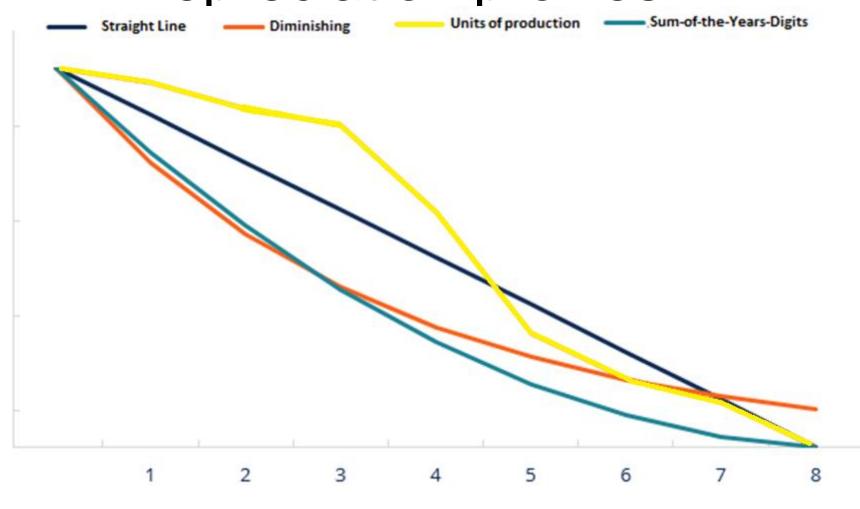


80.2 Depreciation Obsolescence

- Physical Obsolescence: Any loss of utility due to the physical deterioration of the asset or its components resulting from its age and usage
- Functional: Any loss of utility resulting from inefficiencies in the subject asset compared to its replacement such as its design, specification or technology being outdated
- External or Economic Obsolescence: Any loss of utility caused by economic or locational factors external to the asset. This type of obsolescence can be temporary or permanent

Value

Depreciation profiles



Period

Orderly Liquidation vs Forced Sale

Premise of Value

 An orderly liquidation describes the value of a group of assets that could be realised in a liquidation sale, given a reasonable period of time to find a purchase (or purchasers), with the seller being compelled to sell on an as-is, where-is basis.

• The term "forced sale" is often used in circumstances where a seller is under compulsion to sell and that, as a consequence, a proper marketing period is not possible











Share of the New Zealand economy

Gross domestic product, industry growth and contribution to growth, December 2020 quarter



Primary

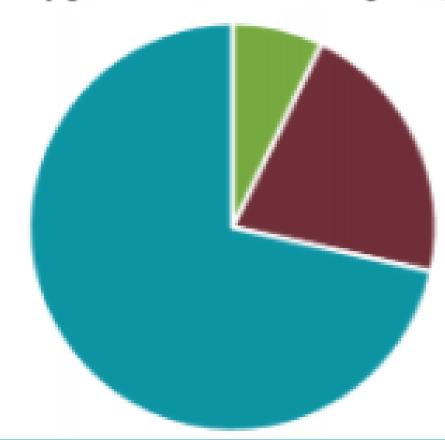


Goods-producing

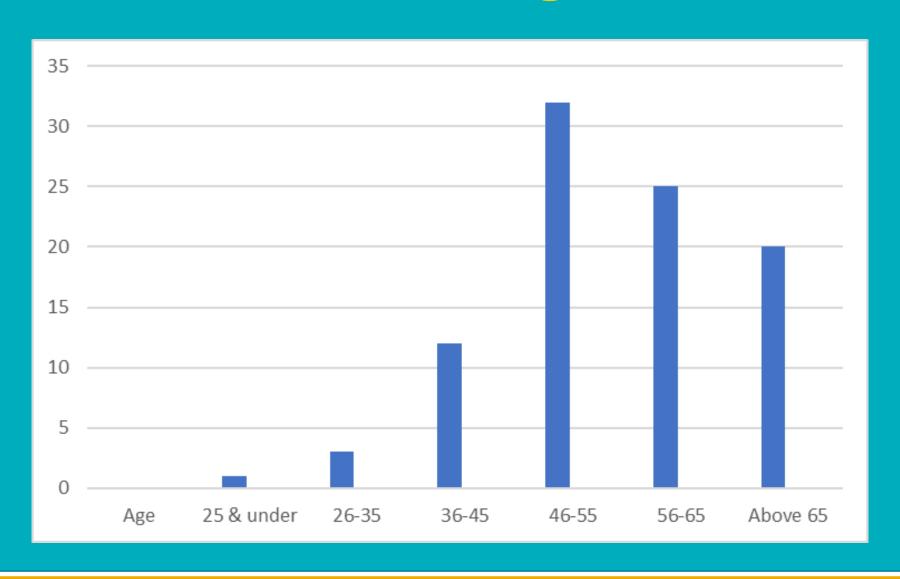


Services

Source: Stats NZ



PINZ IPM Valuers Age Distribution



























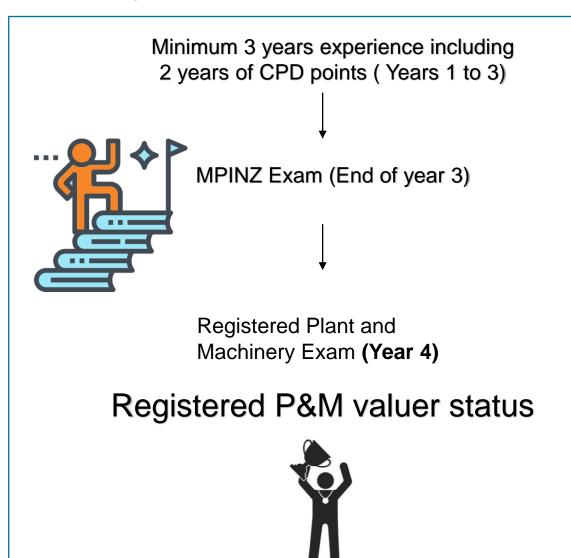








PINZ pathway to IPM Valuer Registration







Full Membership (MPINZ)

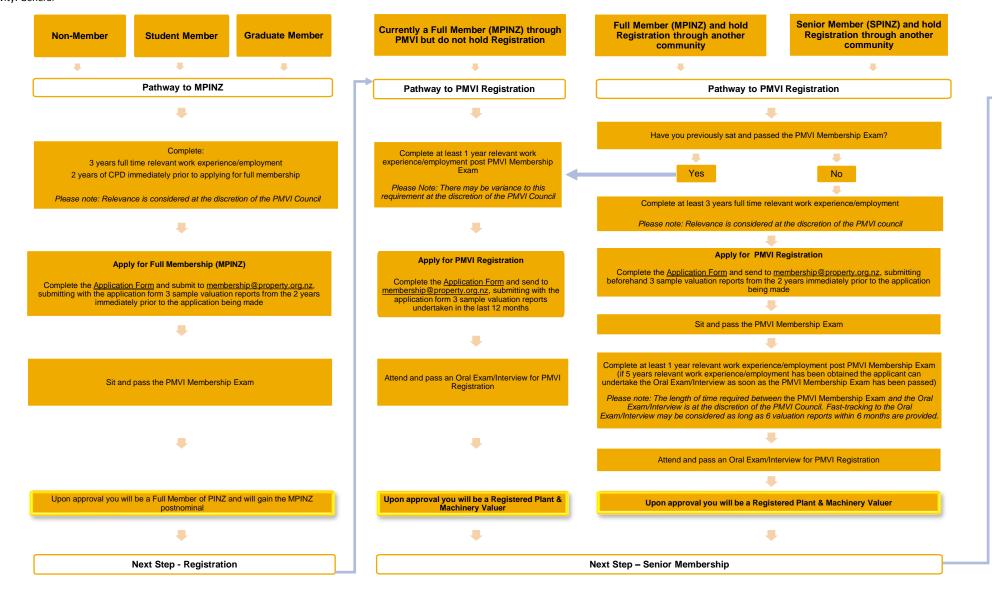
- Complete 3 years full time relevant work experience/employment (relevance is considered at the discretion of the PMVI Council)
- Complete 2 years of CPD immediately prior to the application being made for full membership
- Apply for Full Membership, submitting with the membership application form 3 sample valuation reports from the 2 years immediately prior to the application being made
- •Sit and pass the PMVI Membership Exam conducted by the Plant & Machinery Valuers Institute Council at year 3

Registration (Registered Plant & Machinery Valuer)

- Complete at least 1 year full time relevant work experience/employment post PMVI Membership Exam *
- Apply for Registration, submitting with the registration application form 3 sample valuation reports undertaken in the last 12 months
- Attend and pass an Oral Exam/Interview for registration
- * There may be variance to this requirement at the discretion of the PMVI Council

Senior Membership (SPINZ)

- Has been a member for a period of at least 6 years immediately prior to the date of application
- •Has practised in the property profession in full time employment for a total of 8 years prior to the date of application
- Holds a current registration certificate
- •Has been engaged in a senior position or completed advanced practical work for at least 3 years
- Has completed an examination of core competency
- •Has adhered to the professional development requirements including ethics.
- Apply for Senior Membership



Pathway to Senior Membership



If you:

- Have been a member for a period of at least 6 years immediately prior to the date of application
- Have practised in the property profession in full time employment for a total of 8 years prior to the date of application
- · Hold a current Registration certificate
- Have been engaged in a senior position or completed advanced practical work for at least 3 years
- Have completed an examination of core competency
- Have adhered to the professional development requirements including ethics.



Apply for Senior Membership

Complete the <u>Application Form</u> and send to <u>membership@property.org.nz</u>



Upon approval you will be a Senior Member of PINZ and will gain the SPINZ postnominal

Sensitivity: General

Questions?