



DISCON Specialists

EA Enabling Technique
System Framework

Reason for Existence

The complexity and scope of business systems have necessitated a more formal approach to the identification, analysis, specification, construction and implementation of these systems. This has led to the formulation of a system theory. The systems theory forms the heart of the Structural Engineering / Business Engineering Approach. The system has the following concepts:

- A system has a particular **mission**, which is driven by **opportunities** and threatened by **constraints**.
- Every system has to produce **outputs** or deliverables to satisfy a particular need of certain shareholders / stakeholders, employees and customers.
- Every system has to use **inputs** to produce the required **outputs**. Inputs are provided by certain parties / groups. (Stakeholders and Suppliers)
- **Inputs** and **Outputs** are conveniently grouped as **primary** and **secondary**, to differentiate between and **tangible** and **intangible**.
- The **efficiency** of the system is represented as the ratio between the input and output, only as long as the output as in demand.

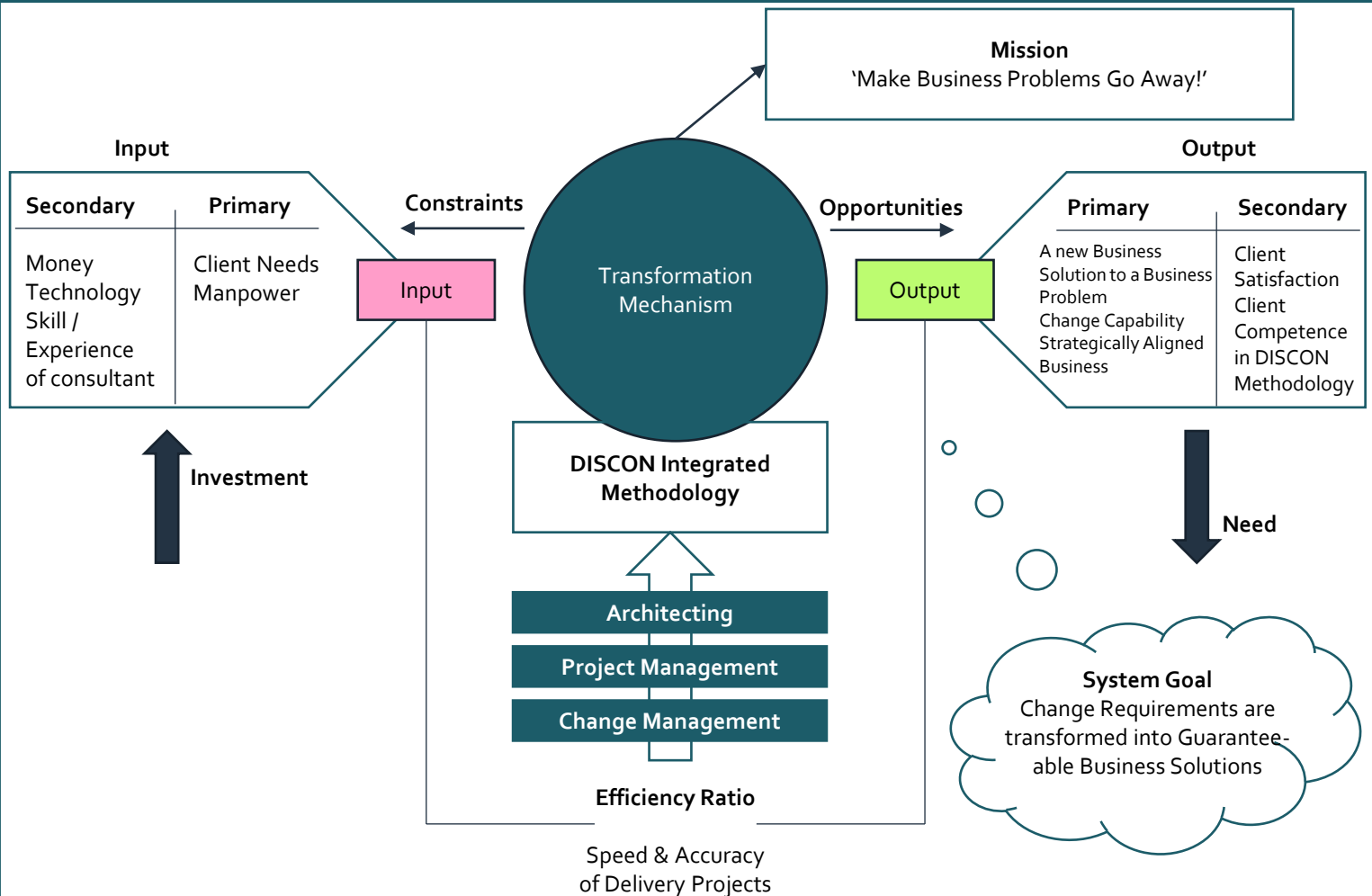
✉ **Email**
info@discon.co.za

🌐 **Website**
www.disconspecialists.com

☎ **Phone**
(+27) 12 667 5975

🌐 **LinkedIn**
https://www.linkedin.com/company/discon-specialists

DISCON Business Engineering Methodology System Framework



Three different types of systems

The **first System** defines **output requirement**. The minimum number of inputs (primary and secondary) needs to be used to achieve the desired outputs.

The **second type** of system sets the **inputs required** to satisfy the need of the stakeholders and customers. The maximum number of outputs needs to be produced with the existing inputs.

The **third type** of system does not set the inputs and outputs required to satisfy the need of the stakeholders and customers. The most **efficient ratio** between the outputs and inputs of the system needs to be confirmed.