

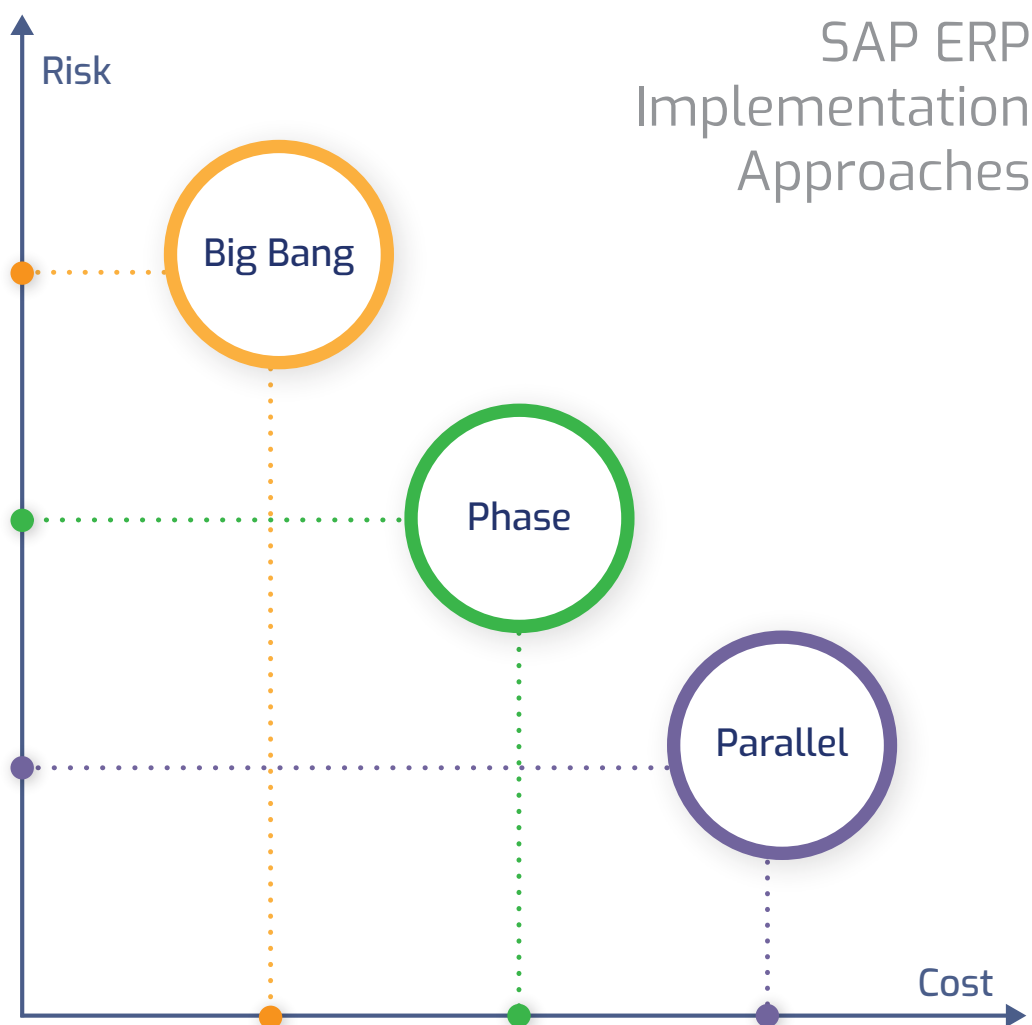
## Asset Data Management for The Energy Sector

# SAP ERP Implementation

Every big enterprise and small company is unique, and software developers overlook this uniqueness due to their goal of making their software suitable for everyone. Thus, while an ERP developer aims at suiting needs of every enterprise, Keel aims at suiting your needs, so the implementation is optimal and precisely tailored.

### Strategy

The first step of the ERP implementation with Keel is picking the approach among three main ones. Two main factors impact the approach selection: the budget and the risk sensitivity. And the implementation approaches can be put on the plot along the axis of costs of implementation and risks related to the approach.



## Big-bang implementation

This approach ends when everyone in a company starts using the new ERP at the same time and going live with all modules at once.

### Pros:

- Short implementation time
- Single system for the whole company
- Low cost
- Focused training

### Cons:

- Productivity drop
- Nonreversible approach
- Error sensitivity
- A significant area of potential system issues

Keel recommended this strategy for small businesses or non-critical parts of an enterprise (used in approx. 35% of implementation projects).

## Phase Rollout

Phase approach stitches the go-live time by putting into use one part of the ERP at a time. The parts are determined for each enterprise individually using business factors, and the ERP may be divided by functional, geographical, business and other factors.

### Pros:

- Less risky
- More flexible
- More time to train users and fix issues

### Cons:

- High implementation cost
- The necessity of developing temporary interfaces
- Slower Return of investment

Keel recommends this strategy for large organizations (used in approx. 53% implementation projects).

## Parallel adoption

Parallel adoption is when the new ERP goes live while the old ERP still in use.

### Pros:

- The most reliable
- The perfect environment for users to learn
- Has a way to revert

### Cons:

- The Highest Cost
- Long time of implementation (shorter than phasal, though slower than Big Bang)
- Complicated data management

This implementation approach allows implementing the system in critical environments.

## Hybrid approach

This isn't a stand-alone strategy because it's the combination of all other methods and used in approximately 11% of implementation projects.

Keel views the hybrid as a combination of the parallel or phase implementation for critical parts, and the rest are big banged.



## Technique

When all decisions are made regarding how the technicalities rule the implementation process. And the first technical aspect is to separate wants from needs, and this separation requires knowledge of the business processes and the ERP capabilities. Keel is a navigation assistant in this landscape.



### Instance and Infrastructure

Keel helps its customers to calculate the most cost-efficient way of the ERP implementation from the infrastructure point of view. Keel specializes in cloud instances; however, our specialists can make the list of the hardware and other equipment necessary to build a data center.

### Modules

SAP ERP consists of modules that need to be installed and configured, which our specialists are skilled at. Among all SAP ERP modules, our specialists have been encountering MM (Material Management) and PM (Plant Maintenance) modules for more than 10 years.

Nevertheless, Keel has experience with other modules for Human Resources (HR), Sales and Distribution (SD), Financial Accounting and Controlling (FICO), the Quality Management module (QM) and the rest of modules of the SAP ERP system.

### Change management

A new ERP is a change, and the Change management makes sure that this change doesn't become a heavy burden. Keel assists our customers to embrace the change of ERP as inevitable.

### Basis configuration

The technical foundation that allows SAP applications to function is called Bases. We have experience at creating, configuring and maintaining such basis for various versions of the SAP ERP, including SAP R/3, SAP ECC, and the latest SAP S/4 HANA.

### Data migration

Data is the primary resource that ERP manages and to be beneficial ERP requires clear data.

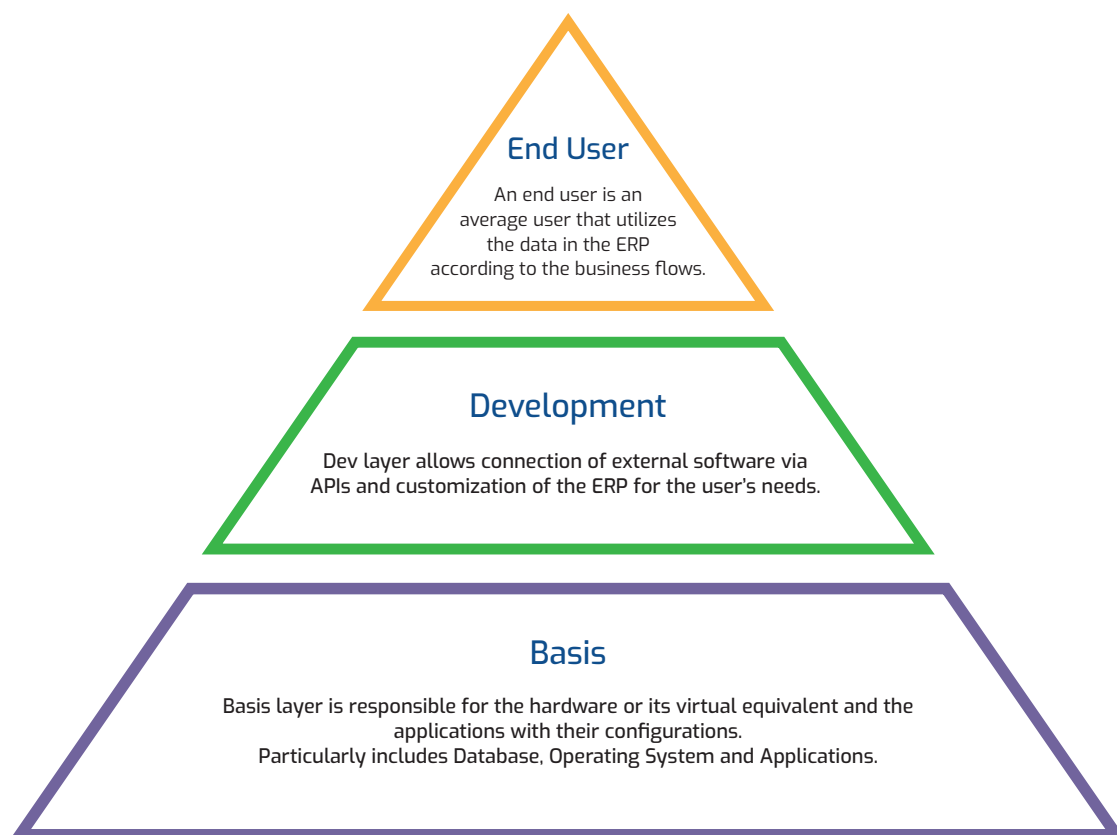
The data migration process is very individual for every company and thus cannot be automatic but needs to be tailored each time the migration is necessary.

Keel is an expert in Data Cleansing which is a paramount step at the data migration because it reduces the amount of data that needs to migrate and makes the usage of ERP efficient.



## Personnel testing

The end users of the ERP can be a bottleneck for the beneficiaries. Thus, before the new ERP is implemented the personnel must be trained for a required level. And Keel can identify the skills of the staff at every layer of the ERP usage:



## Trial and Testing

SAP allows users to test their ERP and feel the benefits, so the investment into an implementation doesn't become pig in a poke.

Keel may create a custom ERP system for your business to try it out and support the usage of the ERP. Thus, the maximum benefits are extracted.

The most meticulous testing is a part of the successful ERP implementation, and the most demanding for the testing is Big Bang implementation, due to the testing being the final period for the errors and issues detection.

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**For more info about our CMMS services, please contact:**

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