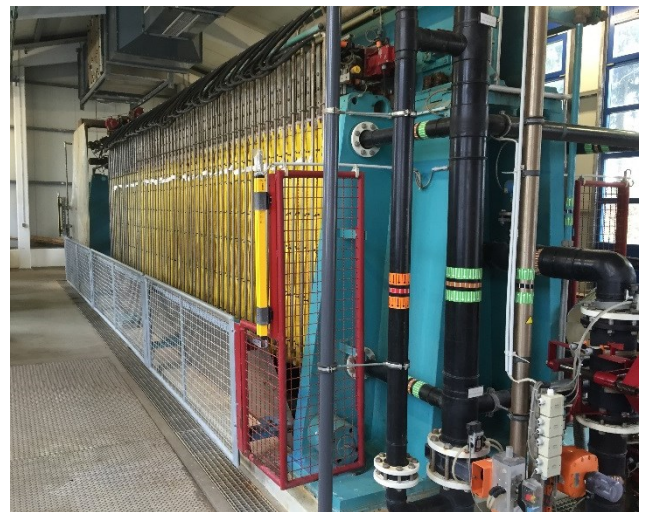


Experts in Design and Process Engineering in Filtration

**JZEngineering offers in
filtration / separation of solids and liquids:**

Designing including Calculations:

- Filter plate designing incl. details:
 - Web thicknesses, stay boss, filter area, sealing edges
- Selection of plate materials according the requirements:
 - Temperatures
 - Pressures
 - Chemical requirements
- New developments of filters together with customer

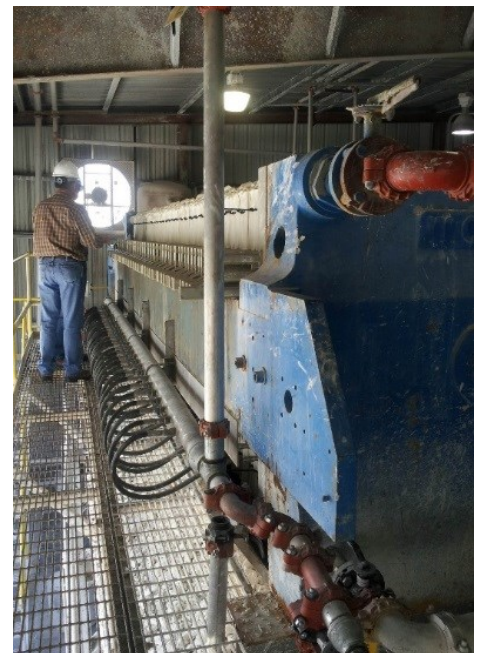


Process Engineering:

- Calculation of capacity in production
- Estimation of process sequences and capacities
- Support in commissioning of filters
- Performing filtration tests on filter press for optimization of the process
 - Improving washing result
 - Increasing capacity of filters

Issue of Expert Reports:

- Final check of filter plates at manufacturer site prior shipment (including checking all details)
- Evaluation of the design of filter plates suitable for process engineering
- Expertise of design and performance of filter plates if defects occur
- Expertise on processing of filter plates, membrane plates



Training:

- Teaching the basics in solid - liquid separation in filter presses to prevent damages
- Characteristics of filters and possibilities to optimize
- Extending the life time of the filter by avoiding mistakes

Accessories:

- Designing and calculations of accessories in filtration plants
- Supply of equipment in the business area filtration

Leading Projects:

- Developing filter elements and assistance during manufacturing
- Assistance during designing production facilities

Note:

- We guarantee full confidentiality concerning information and findings we are exchanging or obtaining.
- We are completely independent from plate manufacturer, filter press producer or operator. Therefore we are free to evaluate designs and processes.

JZEngineering - Products:**Carbon Filter elements:**

Size, performance and pressure rate according requirements.
Details are described in a separate data sheet.

Flow Indicators at membrane plates:

To identify broken membrane plates in plate packages.

Accessories:

For example special connections for membrane plates or support rings (diff. types of plastic or steel).

More information available in separate data sheets.

Further Information:

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