



## **Project information**

cell technology

Customer: JSC Sayanskkhimplast

Plant: Chlor-alkali electrolysis

Location: Sayansk, Russia

#### Capacity:

1st stage of expansion: 170,000 t/a NaOH (100 %) 2nd stage of expansion: 200,000 t/a NaOH (100 %)

## Special feature:

First chlor-alkali membrane electrolysis in Russia

### Services of CAC

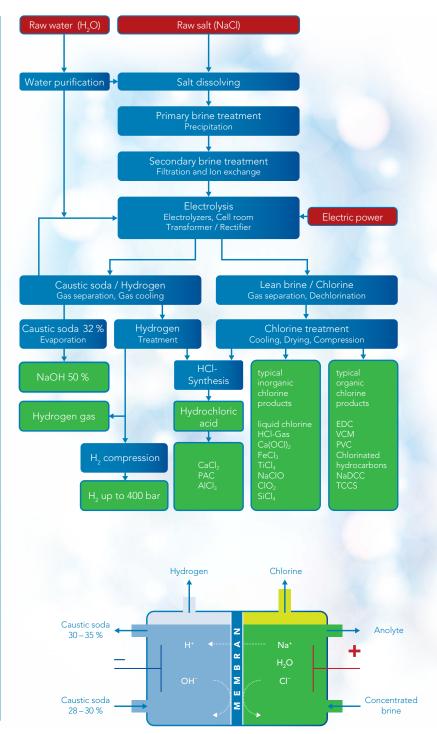
- → Project management
- → Basic and detail engineering
- → Procurement services
- → Expediting and inspections
- → Supplies
- → Installation supervision
- → Commissioning support and training

## CHLOR-AKALI ELECTROLYSIS

# on the basis of membrane cell technogoly

CAC is internationally successful in the field of engineering and construction of complete chlor-alkali electrolysis plants all over the world and has many years of experience gained from conversion and new construction projects.

Pr	roducts	
Cł Hy Sc	austic soda hlorine ydrogen odium hypochlorit ydrochloric acid	NaOH Cl <sub>2</sub> H <sub>2</sub> NaOCl HCl
Feedstock		
W	odium chloride /ater ectric energy	NaCl H <sub>2</sub> O
Process		
Electrolysis of a saturated aqueous sodium chloride solution in membrane cells:  2 NaCl + 2 H₂O → Cl₂ + H₂ + 2 NaOH		
Advantages of CAC's technology		
•	<ul> <li>Supply of tailor-made, complete plants including all auxiliary units</li> <li>High product quality</li> </ul>	
•	Ease of operation	
•	Optimum capital and operating costs	
•	Plant design tailored to customer requirement	



Chemieanlagenbau Chemnitz GmbH Augustusburger Straße 34 | 09111 Chemnitz | Germany Phone +49 371 6899-0 | Fax +49 371 6899-253 E-Mail: info@cac-chem.de | www.cac-chem.de

