



KAEFER

> Neumayer III, Antarctica

Project Description	The Antarctic Station "Neumayer III" is commissioned by the Alfred Wegener Institute. It is built on 16 hydraulic columns in order to remain always at the same height.
Location	Antarctica
Construction Period	From 2007 to 2009
Awarding Authority	Alfred Wegener Institute, Bremerhaven (Germany)
KAEFER Services	Planning, construction and supply of the contract work sections: insulation of the outer shell of the building, block heat and power plant, air conditioning, heat recycling and heating, drinking water and biological sewage treatment For the interior outfitting of workshops, laboratories, galley, bed and sanitary rooms, the modular KAEFER connector system was used. LOLAMAT panels were applied for static, acoustic and thermal tasks as well as for fire protection.
Challenges	Weather conditions in the Antarctica: -45 degree Celsius, force 12 winds, snowdrifts, four months darkness and only 3 months of construction period per year (December to February)
Our Solution	As systems supplier, KAEFER is able to offer optimized solutions for insulation, airconditioning and heat recycling as well as for fire protection, room acoustics and water supply.
Benefit for the Customer	As KAEFER and J.H. Kramer had already collaborated at the construction of Neumayer II, the current order was processed by an experienced and proven team.
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