

## The RockMass company

RockMass as is a consulting company in Engineering Geology and Rock Engineering operating since 2007. The company is owned and run by Dr. Arild Palmström. Dr. Palmström has over more than 40 years worked with several consulting companies involved in rock constructions. He has wide national and international consulting experience in the fields of engineering geology and rock engineering applied in projects like:

- Hydropower plants, mostly with underground power houses and often with unlined pressure shafts or pressure tunnels.
- Road and railway tunnels, including sub-sea tunnels
- Oil storage rock caverns

Much of the consulting works have consisted of:

- Planning and follow-up of field investigations
- Engineering geological mapping
- Evaluations of ground conditions from:
  - analyses of geological information and its impact on rock excavations
  - interpretations of aerial photographs, and
  - derivation of results from field investigations
- Design of tunnels and caverns
- Planning and follow-up of grouting for sealing of rocks
- Special evaluations connected to disputes

More information on Dr. Palmström is presented in his [Curriculum Vitae](#)

*You may make use of this vast experience and know-how in rock engineering for the benefit of your project.*

The following page presents information on the works performed by Dr. Arild Palmström of RockMass AS.

		TYPES OF ENGINEERING GEOLOGICAL OR ROCK ENGINEERING WORKS WITHIN:												
		25	15	14	8	81	38	24	22	33	32	5	3	5
←--number of projects	<b>RockMass experience</b>	25	15	14	8	81	38	24	22	33	32	5	3	5
	<b>TYPES OF PROJECTS</b>	Planning field investigations	Investigation follow-up	Eng. geol. mapping	Evaluation of potential slide	Prefeasibility / Concept study	Feasibility study	Detailed design	Tender documents	Construction follow-up / final rock support	Special evaluations	Reference group	Evaluation for tender (for contractor)	Work for lawsuit
	<b>Hydropower projects</b>													
11	Masterplans, general engineering geological mapping	1	1	1		10	2	1	1					
19	Underground power stations	3	2	4		8	6	4	3	4	5			
34	Water tunnels (headrace, tailrace, diversion)	5	4	4		16	7	6	7	12	5			
14	Pressure shafts or tunnels	4	2	2		2	5	3	2	5	6			
11	Dam foundation and/or dam materials					8	4							
9	Reservoir evaluations (slide)				8						1			
3	Air cushion surge chambers					2				1	1			
2	Submerged tunnel piercings (lake taps)									2				
	<b>Road/railway tunnels</b>													
8	Road tunnels (except subsea)					2		1	1	2	3		1	
7	Railway tunnels or projects	1	1			3	2	2	3		1	1		1
	<b>Subsea tunnels</b>													
17	Subsea road tunnels	4		1		11	3	2	2	1	3	4	2	
11	Other subsea tunnels	4	3			9	5	5	3	1	1			
	<b>Underground storage projects</b>													
7	Hydrocarbon caverns	3	2	2		5	1							
5	Tunnels or caverns for water or storage					3	3			3	1			
	<b>Special projects</b>													
4	Inspections of tunnel condition										4			
3	Other underground facilities					2				1				1
1	Special water sealings by grouting									1				
3	For lawsuits										1			3