

Vol. XXI No.10



Belzona Repairs and Improves Francis Turbine Runner



Damaged and worn runner



After grit blasting



Rebuilding with Belzona® 1111

After coating with Belzona® 1341

STATISTICS

CUSTOMER

Hydroelectric power plant, Czech Republic

APPLICATION DATE September 2003

September 2005

SUBSTRATE Steel

PRODUCTS Belzona® 1111 Belzona® 1341

APPLICATION SITUATION

Francis Turbine Runner.

PROBLEM

The runner had suffered extensive damage from erosion, corrosion and mechanical damage.

APPLICATION METHOD

The application was carried out in accordance with Belzona[®] Know-How System Leaflets CEP-8 & -10.

BELZONA FACTS

After one year operation the runner was inspected and was found to have only suffered minor damage due to impact with pieces of wood. After the repair and coating of both the runner and wicket gates a 10 - 15% increase in output was recorded and the turbines were able to run at a greater range of heads than were possible before, thus earning the customer many time more in profit than the cost of the repair.

© Copyright 2007 by Belzona International, Ltd. All rights reserved. No part of this work covered by the copyrights herein may be reproduced or used in any form or by any means - graphic, electronic or mechanical including photocopying, recording, taping, or information storage and retrieval systems - without written permission of the publisher.

BELZONA INTERNATIONAL, LTD. Claro Road, Harrogate, North Yorkshire HG14DS England Tel: +44 (0) 1423 567641, Fax: +44 (0) 1423 505967 [®] Belzona is a registered trademark. BELZONA ASIA PACIFIC Rattakit Building 29/13 Moo 9 Sukhuvuvit Road Banglamung, Chonburi 20150, Thailand Tel: +66 38 378099, Fax: +66 38 378098 BELZONA, INC. 2000 NW 88th Court, Miami, Florida 33172, U.S.A. Tel: (305) 594-4994, Fax: (305) 599-1140 Printed from BEL

www.belzona.com